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**Parasites of**  
**Domesticated**  
**Mammals**  
**of Canada**

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# Synopsis of the Parasites of Domesticated Mammals of Canada

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Synopsis of the  
Parasites of  
Domesticated  
Mammals  
of Canada

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Alberta  
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880844

## Abstract

The revised edition of this synopsis contains Parasite-Host and Host-Parasite lists of 247 species of parasites from seven domesticated mammals. Four species, the goat (*Capra hircus*), ox (*Bos taurus*), pig (*Sus scrofa*), and sheep (*Ovis aries*) belong in the Artiodactyla; one species, the horse (*Equus caballus*) in the Perissodactyla; and two species, the cat (*Felis catus*) and dog (*Canis familiaris*) belong in the Carnivora. The 247 species of parasites are distributed among higher taxa as follows: Protozoa - 47; Trematoda - 13; Cestoidea - 22; Nematoda - 109; Acanthocephala - 2; Chelicerata - 21; and Uniramia - 33.

## Preface to the Second Edition

About two years have elapsed since the publication of the first edition of this synopsis. During this interval I have tried to gather pertinent references and literature necessary for the publication of this revised edition. The major effort involved in this revision has been directed toward updating and improving the accuracy and coverage of the material presented. As a result, 76 titles in technical journals was gathered and added to the original 185 titles. Additional papers were reviewed, and many placed in the list for supplementary reading. Colleagues have been generous in sending me reprints of their work and pointing out omissions in the first edition. The general organization and approach utilized in the first edition has been retained in the revised edition. New entries have been made for most groups, especially the Protozoa and Chelicerata. The recent trend to omit specific names for the cysticerci of the various *Taenia* spp. has been adopted.





## Introduction

The compiled information covers the period from 1877 to December 1987 and was extracted from numerous publications in the primary scientific literature. Journal series such as the Canadian Journal of Zoology, Canadian Journal of Research, Canadian Veterinary Journal, Journal of Protozoology, Proceeding of the Helminthological Society of Washington, and the Journal of Parasitology were searched in their entirety. Abstracting series such as Zoological Records, Helminthological Abstracts, Protozoology Abstracts, and Veterinary Bulletin were scanned for additional references. Theses and reports of federal and provincial governments and of other institutions were not searched extensively, hence, some existing records may have been omitted.

In providing references to the parasite-host-distribution data, I have included only reports based on original records, but screening all reports to ensure complete exclusion of repetitive records based on the same material was not possible. Publications that do not provide original parasite-host-distribution records but deal with some aspect of Canadian veterinary parasitology are compiled in a supplementary list of references.

I conducted a least squares regression analysis on the number of papers published since 1877 (Figure 1) to estimate the number of publications we may expect to see in the 1980's. The estimate was based on the multivariate general linear model:  $y = mx + b$  where  $y$  is a vector of dependent variables,  $x$  is a vector of independent variables,  $b$  is a vector of regression coefficients, and  $m$  is a vector of random errors. The analysis predicted 96 papers will be published in the 1980's. In the present synopsis 64 papers up to December 1987 were reviewed.

The synopsis indicates that up to December, 1987, at least 247 species of parasites have been reported from seven species of domesticated mammals. Parasites not identified to the species level are not included in the total. The 247 species are divided among major taxa as follows: Protozoa - 47; Trematoda - 13; Cestoidea - 22; Nematoda - 109; Acanthocephala - 2, Chelicerata - 21; and Uniramia - 33.

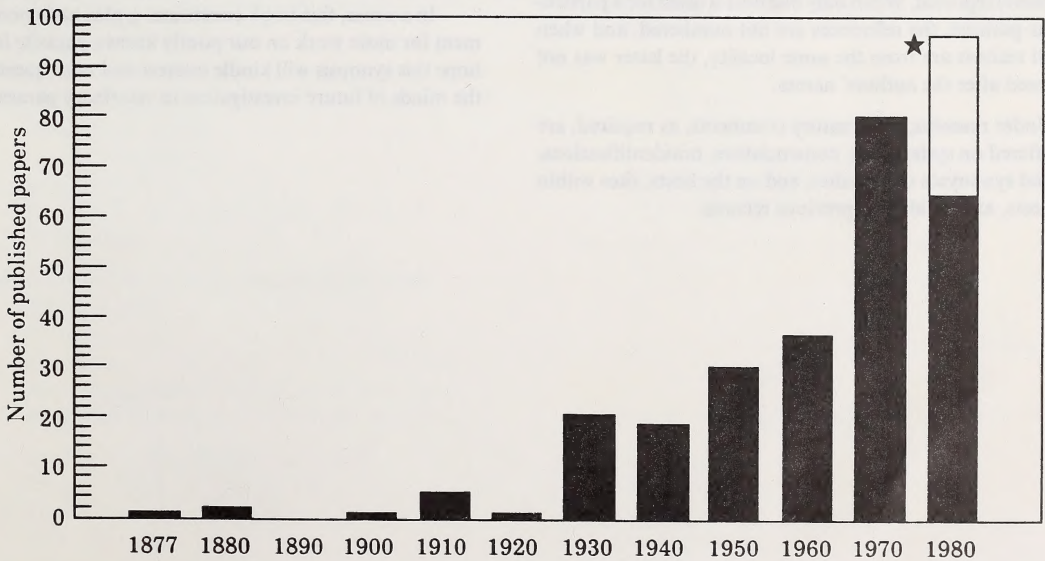
The taxonomic arrangement adopted for each phylum or class of parasitic organism included in Canadian records, in most cases, is as follows:

- Protozoa - Levine et al. (1980)
- Trematoda - Brooks et al. (1985)
- Cestoidea - Schmidt (1986)
- Nematoda - Anderson et al. (1974-1983)
- Acanthocephala - Amin (1982)
- Acarina - Krantz (1978)
- Diptera - Arnett et al. (1980)
- Mallophaga - Emerson (1972)
- Siphonaptera - Holland (1984)
- Siphunculata - Strojnovich and Pratt (1965)

Host nomenclature and classification conforms to that of Nowak and Paradiso (1983). The entries in the synopsis are organized in accordance with the format used by Margolis and Arthur (1979) in their **Synopsis of the parasites of fishes of Canada**.

The Parasite-Host List is organized by higher taxa of parasites in the following order: Protozoa, Platyhelminthes (Trematoda, Cestoidea), Nematoda, Acanthocephala, Chelicerata and Uniramia. Species, genera, and family names are listed in alphabetical order within their respective next higher

**Figure 1** Number of papers published on the parasites of domesticated mammals from 1877 to December, 1987.



★ Predicted number of papers published by the end of 1989.



taxon, which in the case of a family is either a superfamily or an order, depending on the group in question and the usefulness of including the superfamily or order category.

For each parasite species listed, the following information is provided:

- 1) The current **scientific name**, including author(s) and date(s), followed by any recognized synonyms that may have been used in establishing the Canadian record(s). No attempt has been made to evaluate systematically the validity of published records, but attention is drawn to obvious errors. Adult and larval stages are recorded separately for the Cestoidea and Nematoda.
- 2) The **site** of occurrence of the parasite in its host(s) (aberrant sites usually are not included). When the site was not given, the likely site was determined from other records, and is placed in square brackets.
- 3) The **hosts**. Numbers in parentheses after each host name correspond with the numbers assigned to the references establishing the particular parasite-host records.
- 4) **Distribution (Dist.)** Species distribution is indicated by Provincial or Territory boundaries listed in alphabetical order as follows: Alta (Alberta), BC (British Columbia), Man (Manitoba), NB (New Brunswick), Nfld (Newfoundland, includes Labrador), NS (Nova Scotia), NWT (Northwest Territories), Ont (Ontario), PEI (Prince Edward Island), Que (Quebec), Sask (Saskatchewan), and YT (Yukon Territory).
- 5) Authors responsible for the published **records** are listed in chronological order. To enable the reader to grasp at a glance the author(s) responsible for particular parasite-host-locality records the references are numbered and listed under "Records" and the corresponding number(s) placed after the host name. Each reference is followed by the locality or localities from which the parasite was (were) reported. When only one host is listed for a particular parasite, the references are not numbered, and when all records are from the same locality, the latter was not listed after the authors' names.
- 6) Under **remarks**, explanatory comments, as required, are offered on systematics, nomenclature, misidentifications, and synonyms of parasites; and on the hosts, sites within hosts, and validity of previous records.

In the Host-Parasite List, within each order, the families, genera, and species are listed alphabetically. After the name of each parasite species, its geographic distribution in the host in question is given in parentheses.

The REFERENCES are given in two parts, the first includes those directly referred to in the text, and the second, SUPPLEMENTARY REFERENCES, contains a list of publications dealing with various aspects of parasites of Canadian domestic mammals but which do not contain original parasite-host records.

To facilitate access to information in the parasite-host and host-parasite lists, the publication concludes with an INDEX to parasite and host scientific names.

There is no comprehensive summary of the parasites of domesticated mammals of Canada. Therefore, the need for the present volume was obvious. I hope this synopsis will prove useful to biologists and zoologists generally, and to practitioners and veterinary parasitologists particularly. My role as author was one of selection, arrangement and organization of a large mass of published information. I have tried to be complete, accurate, concise and consistent from one section to another. I tried to keep each section up to date in accordance with the latest classification schemes. For the most part, only parasitic organisms are included. Commensals, micropredators, pests, phoretic mites, etc. are not included.

The list of references at the end include older classical papers as well as recent contributions. Papers pertinent to parasites of domesticated mammals, but do not themselves constitute new records from Canada, are referenced in a section on supplementary reading.

Obviously a book of this sort is bound to have errors and ambiguities, and certainly such faults are my responsibility. I hope readers will bring them to my attention. I also hope that colleagues will send me reprints of the current work or papers I missed so that these additions or corrections can be included in future revisions of the synopsis.

In a sense, this book constitutes a plea and encouragement for more work on our poorly known parasite fauna. I hope this synopsis will kindle interest and raise questions in the minds of future investigators in veterinary parasitology.



KINGDOM ANIMALIA  
SUBKINGDOM PROTOZOA

PHYLUM APICOMPLEXA

CLASS SPOROZOA

ORDER BUCCOSPOROZOA

SUBORDER ADIACETINA

*Microsporidium* [?]

*Ch. [?]*

*Ch. [?]*

*Ch. [?]*

*Ch. [?]*

SUBORDER OOCYSTINA

*Ch. [?]*

*Ch. [?]*

*Ch. [?]*

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**PARASITE-HOST LIST**

*Ch. [?]*

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**KINGDOM ANIMALIA**  
**SUBKINGDOM PROTOZOA**

**PHYLUM APICOMPLEXA**

**CLASS SPOROZOEA**

**ORDER EUCOCCIDIIDA**

**SUBORDER ADELEINA**

*Klossiella equi* Baumann, 1946

Site: kidney

Host: *Equus caballus*

Dist.: NB

Record: Austin and Dies 1981

**SUBORDER EIMERIINA**

*Cryptosporidium* spp.

Site: intestine

Host: *Bos taurus* (1,3,4)

*Equus caballus* (2)

*Sus scrofa* (5)

Dist.: Man, Ont, Sask

Record: 1. Sanford and Josephson 1982 (Ont);

2. Gajadhar et al. 1985 (Sask); 3. Mann et al.

1986 (Man); 4. Mann et al. 1987 (Man); 5.

Sanford 1987 (Ont)

*Eimeria ahsata* Honess, 1942

Site: [intestine]

Host: *Ovis aries*

Dist.: Alta, Sask

Records: Mahrt 1969 (Alta); Horton and

Stockdale 1981 (Sask)

*Eimeria alabamensis* Christensen, 1941

Site: [intestine]

Host: *Bos taurus*

Dist.: Alta, Ont

Record: Slocombe 1973a (Ont); Kennedy and

Kralka 1987 (Alta)

*Eimeria arloingi* (Marotel, 1905) Martin, 1909

Site: [intestine]

Hosts: *Bos taurus* (2)

*Ovis aries* (1,2)

Dist.: Alta, Ont

Records: 1. Mahrt 1969 (Alta); 2. Slocombe

1973a (Ont)

*Eimeria aubernensis* Christensen and Porter, 1939

Site: [intestine]

Host: *Bos taurus*

Dist.: Alta, Ont

Records: Slocombe 1973a (Ont); Kennedy and

Kralka 1987 (Alta); Reid and Madiill 1987 (Ont)

*Eimeria bovis* (Zublin, 1908) Fiebiger, 1912

Site: [intestine]

Host: *Bos taurus*

Dist.: Alta, Ont

Records: Slocombe 1973a (Ont); Kennedy and  
Kralka 1987 (Alta)

*Eimeria bukidnonensis* Tubangui, 1931

Site: [intestine]

Host: *Bos taurus*

Dist.: Ont

Record: Slocombe 1973a

*Eimeria canadensis* Bruce, 1921

Site: [intestine]

Host: *Bos taurus*

Dist.: Alta, Ont

Records: Slocombe 1973a (Ont); Kennedy and

Kralka 1987 (Alta)

*Eimeria canis* Wenyon, 1923

Site: [intestine]

Host: *Canis familiaris*

Dist.: Ont, Que

Records: Choquette and Gelinas 1950 (Que);

Slocombe 1973a (Ont)

*Eimeria crandallis* Honess, 1942

Site: [intestine]

Hosts: *Equus caballus* (2)

*Ovis aries* (1)

Dist.: Alta, Ont

Records: 1. Mahrt 1969 (Alta); 2. Slocombe

1973a (Ont)

*Eimeria cylindrica* Wilson, 1931

Site: [intestine]

Host: *Bos taurus*

Dist.: Alta, Ont

Records: Slocombe 1973a (Ont); Kennedy and

Kralka 1987 (Alta)

*Eimeria debliciecki* Douwes, 1921

Site: [intestine]

Host: *Sus scrofa*

Dist.: Ont, Que

Records: Slocombe 1973a (Ont); Robinson and

Morin 1982 (Que)

*Eimeria ellipsoidalis* Becker and Frye, 1929

Site: [intestine]

Host: *Bos taurus*

Dist.: Alta, Ont

Records: Slocombe 1973a (Ont); Kennedy and

Kralka 1987 (Alta)

*Eimeria faurei* (Moussu and Marotel, 1902) Martin,  
1909

Site: [intestine]

Host: *Ovis aries*

Dist.: Alta

Record: Mahrt 1969



- Eimeria granulosa* Christensen, 1938  
 Site: [intestine]  
 Hosts: *Equus caballus* (2)  
*Ovis aries* (1)  
 Dist.: Alta, Ont  
 Records: 1. Mahrt 1969 (Alta); 2. Slocombe 1973a (Ont)
- Eimeria illinoisensis* Levine and Ivens, 1967  
 Site: [intestine]  
 Host: *Bos taurus*  
 Dist.: Alta  
 Record: Kennedy and Kralka 1987 (Alta)
- Eimeria intricata* Spiegl, 1925  
 Site: [intestine]  
 Hosts: *Equus caballus* (2)  
*Ovis aries* (1)  
 Dist.: Alta, Ont  
 Records: 1. Mahrt 1969 (Alta); 2. Slocombe 1973a (Ont)
- Eimeria leuckarti* (Flesch, 1883) Reichenow, 1940  
 Site: [intestine]  
 Host: *Equus caballus*  
 Dist.: Ont  
 Record: Slocombe 1973a
- Eimeria ninakohlyakimovae* Yakimoff and Rastegaieff, 1930  
 Site: [intestine]  
 Host: *Ovis aries*  
 Dist.: Alta, Ont, Sask  
 Records: Mahrt 1969 (Alta); Slocombe 1973a (Ont); Horton and Stockdale 1981 (Sask)
- Eimeria ovina* Levine and Ivens, 1970  
 Site: [intestine]  
 Host: *Ovis aries*  
 Dist.: Sask  
 Record: Horton and Stockdale 1981
- Eimeria pallida* Christensen, 1938  
 Site: [intestine]  
 Host: *Ovis aries*  
 Dist.: Alta  
 Record: Mahrt 1969
- Eimeria parva* Kotlan, Mocsy, and Vajda, 1929  
 Site: [intestine]  
 Host: *Ovis aries*  
 Dist.: Alta, Ont, Sask  
 Records: Mahrt 1969 (Alta); Slocombe 1973a (Ont); Horton and Stockdale 1981 (Sask)
- Eimeria punctata* Landers, 1955  
 Site: [intestine]  
 Host: *Ovis aries*  
 Dist.: Alta  
 Record: Mahrt 1969
- Eimeria wyomingensis* Huizinga and Winger, 1942  
 Site: [intestine]  
 Host: *Bos taurus*  
 Dist.: Alta, Ont  
 Records: Slocombe 1973a (Ont); Kennedy and Kralka 1987 (Alta)
- Eimeria zuernii* (Rivolta, 1878) Martin, 1909  
 Site: [intestine]  
 Host: *Bos taurus*  
 Dist.: Alta, Ont  
 Records: Slocombe 1973a (Ont); Kennedy and Kralka 1987 (Alta)
- Eimeria* spp.  
 Site: [intestine]  
 Hosts: *Bos taurus* (2)  
*Ovis aries* (1)  
 Dist.: Alta, Que  
 Record: 1. Swales 1940b (Que); 2. Kennedy and Kralka 1987 (Alta)
- Isoospora bigemina* (Stiles, 1891) Luhe, 1906  
 Site: intestine  
 Host: *Canis familiaris*  
 Dist.: Que, Sask  
 Records: Choquette and Gelinas 1950 (Que); Olson 1985 (Sask)
- Isoospora canis* Nemeseri, 1959  
 Site: [intestine]  
 Host: *Canis familiaris*  
 Dist.: Sask  
 Record: Olson 1985
- Isoospora felis* Wenyon, 1926  
 Site: [intestine]  
 Hosts: *Canis familiaris* (1,2)  
*Felis catus* (2)  
 Dist.: Ont, Que  
 Records: 1. Choquette and Gelinas 1950 (Que); 2. Slocombe 1973a (Ont)
- Isoospora ohioensis* Dubey, 1975  
 Site: [intestine]  
 Host: *Canis familiaris*  
 Dist.: Sask  
 Record: Olson 1985
- Isoospora rivolta* (Grassi, 1879) Wenyon, 1923  
 Site: [intestine]  
 Hosts: *Canis familiaris* (1,2)  
*Felis catus* (2)  
 Dist.: Ont, Que  
 Records: 1. Choquette and Gelinas 1950 (Que); 2. Slocombe 1973a (Ont)
- Isoospora suis* Biester in Becker, 1934  
 Site: [intestine]  
 Host: *Sus scrofa*  
 Dist.: Ont, Que  
 Records: Sanford and Josephson 1981 (Ont); Robinson and Morin 1982 (Que); Morin et al. 1983 (Que)
- Isoospora wallacei* Dubey, 1976  
 Site: [intestine]  
 Host: *Canis familiaris*  
 Dist.: Sask  
 Record: Olson 1985  
**Remarks:** Levine and Ivens (1986) consider this species a synonym of *Toxoplasma bahiensis* (de Moura Costa, 1956) Levine, 1983.

*Isoospora* spp.

Site: [intestine]

Hosts: *Canis familiaris* (1,2,3,4,5)

*Felis catus* (5)

Dist.: Alta, NB, NWT, Que, Sask

Records: 1. Saunders 1949 (Alta); 2. Unruh et al. 1973 (Alta, NWT, Sask); 3. Anvik et al. 1974 (Sask); 4. Seah et al. 1975 (Que); 5. Malloy and Embil 1978 (NB)

**Remarks:** Saunders (1949) believed his species was probably *I. bigemina*.

*Sarcocystis cruzi* (Hasselmann, 1923) Wenyon, 1926

Site: [muscle]

Host: *Bos taurus*

Dist.: Sask

Record: Gajadhar et al. 1987

*Sarcocystis hirsuta* Moule, 1888

Site: [muscle]

Host: *Bos taurus*

Dist.: Sask

Record: Gajadhar et al. 1987

*Sarcocystis* spp.

Site: heart

Hosts: *Bos taurus* (1,2,4)

*Equus caballus* (1)

*Ovis aries* (3)

Dist.: Ont, Sask

Records: 1. Slocombe 1973a (Ont); 2. Meads 1976 (Ont.); 3. Moteane et al. 1979 (Sask); 4. Gajadhar et al. 1987 (Sask)

*Toxoplasma gondii* Nicolle and Manceaux, 1908

Site: unspecified

Hosts: *Bos taurus* (5)

*Canis familiaris* (1,2,5)

*Capra hircus* (4)

*Equus caballus* (5)

*Felis catus* (1,3,5)

*Ovis aries* (5)

*Sus scrofa* (5)

Dist.: Ont, Que, Sask

Record: 1. Hulland 1956 (Ont); 2. Martin and Letarte 1977 (Que); 3. Nation and Allen 1976 (Sask); 4. Tizard et al. 1977 (Ont); 5. Tizard et al. 1978 (Ont)

*Toxoplasma* spp.

Site: brain, spinal cord, blood

Hosts: *Bos taurus* (3)

*Canis familiaris* (2)

*Equus caballus* (2,4)

*Felis catus* (1,2,3)

*Ovis aries* (2,3)

*Sus scrofa* (2)

Dist.: Ont, Que, Sask

Records: 1. Beaugregard et al. 1965 (Que.); 2. Slocombe 1973a (Ont); 3. Pechere et al. 1977 (Que); 4. Clark et al. 1981 (Sask)

**Remarks:** Pechere et al. 1977 (Que) found antitoxoplasmic antibodies by passive haemagglutination testing.

Unidentified Eucoccidiida

Site: [intestine]

Hosts: *Bos taurus* (2)

*Ovis aries* (1,3)

*Sus scrofa* (4)

Dist.: Ont, Que, Sask

Records: 1. Griffiths 1937 (Que); 2. Slocombe 1973a (Ont); 3. Monteane et al. 1979 (Sask); 4. Morin et al. 1980 (Que)

## PHYLUM CILIOPHORA

### CLASS KINETOFRAGMINOPHOREA

#### ORDER TRICHOSTOMATIDA

*Balantidium* spp.

Site: [intestine]

Host: *Sus scrofa*

Dist.: Ont

Record: Slocombe 1973a

## PHYLUM SARCOMASTIGOPHORA

### SUBPHYLUM MASTIGOPHORA

#### CLASS ZOOMASTIGOPHOREA

##### ORDER DIPLOMONADIDA

###### FAMILY HEXAMITIDAE

*Giardia canis* Hegner, 1922

Site: [intestine]

Host: *Canis familiaris*

Dist.: Que, Sask

Records: Choquette and Gelinias 1950 (Que); Olson 1985 (Sask)

*Giardia* spp.

Site: [intestine]

Hosts: *Canis familiaris* (1,3,4)

*Bos taurus* (2)

Dist.: Alta, NS, Ont, Sask

Records: 1. Slocombe 1973a (Ont); 2. Willson 1982 (Sask); 3. Cribb and Spracklin 1986 (NS); 4. Wallis et al. 1986 (Alta)

##### ORDER KINETOPLASTIDA

*Trypanosoma equiperdum* Doflein, 1901

Site: blood

Host: *Equus caballus*

Dist.: Alta

Record: Watson and Hadwen 1912

*Trypanosoma rutherfordi* Watson and Hadwen, 1912

Site: blood

Host: *Bos taurus*

Dist.: BC

Record: Watson and Hadwen 1912

*Trypanosoma theileri* Laveran, 1902

Site: blood

Host: *Bos taurus*

Dist.: Ont

Record: Woo et al. 1970; Julian 1971

**Remarks:** Julian (1971) recovered *T. theileri*-like flagellates

*Trypanosoma uniforme* Bruce et al., 1911

Site: blood

Host: *Bos taurus*

Dist.: Ont

Record: Woo et al. 1970

**Remarks:** Woo et al. (1970) stated only that the *Trypanosome* resembled *T. uniforme*.

*Trypanosoma* spp.

Site: blood

Host: *Bos taurus*

Dist.: BC

Record: Watson and Hadwen 1912

## ORDER TRICHOMONADIDA

*Trichomonas* spp.

Site: intestine

Hosts: *Bos taurus* (2)

*Canis familiaris* (1)

*Equus caballus* (2)

*Sus scrofa* (2)

Dist.: Ont

Records: 1. Comfort and Axelson 1962; 2.

Slocombe 1973a

## SUBPHYLUM SARCODINA

### CLASS LOBOSEA

### ORDER AMOEBIDA

*Endolimax nana* (Wenyon and O'Conner, 1917)

Brug, 1918

Site: [intestine]

Host: *Canis familiaris*

Dist.: Sask

Record: Unruh et al. 1973

*Entamoeba blattae*

Site: [intestine]

Host: *Canis familiaris*

Dist.: Que

Record: Choquette and Gelinis 1950

**Remarks:** Choquette and Gelinis (1950) considered *C. familiaris* an unnatural host for *E. blattae*. This protozoan is normally a parasite of cockroaches and termites.

*Entamoeba coli* (Grassi, 1879) Casagrandi and Barbagallo, 1895

Site: [intestine]

Host: *Canis familiaris*

Dist.: Que, Sask

Records: Unruh et al. 1973 (Sask); Seah et al. 1975 (Que)

*Entamoeba histolytica* Schaudinn, 1903

Site: [intestine]

Host: *Canis familiaris*

Dist.: Que, Sask

Records: Unruh et al. 1973 (Sask); Wittnich 1976 (Que)



# SUBKINGDOM EUMETAZOA

## PHYLUM PLATYHELMINTHES

### CLASS TREMATODA

#### SUBCLASS DIGenea

##### FAMILY DICROCOELIIDAE

*Dicrocoelium dendriticum* (Rudolphi, 1819)  
Looss, 1899

Syn.: *Dicrocoelium lanceolatum* Stiles and  
Hassal, 1898

Site: bile ducts

Hosts: *Bos taurus* (5,6)

*Ovis aries* (1,2,3,4)

Dist.: BC, Nfld, NS, PEI, Que

Records: 1. Conklin and Baker 1930 (NS, PEI,  
Que); 2. Swales 1933a (Que), 3. 1940a (NS); 4.  
Smith and Archibald 1965 (NS); 5. Smith and  
Threlfall 1973 (Nfld); 6. Lewis 1974 (BC)

##### FAMILY DIPLOSTOMIDAE

*Alaria arisaemoides* Augustine and Uribe, 1927

Site: intestine

Host: *Canis familiaris*

Dist.: Sask

Record: Allen and Mills 1971

*Alaria canis* LaRue and Fallis, 1934

Site: [intestine]

Host: *Canis familiaris*

Dist.: Ont

Record: LaRue and Fallis 1934

*Alaria* spp.

Site: [intestine]

Host: *Canis familiaris*

Dist.: Alta, NWT, Ont, Que, Sask

Records: 1. Cameron et al. 1940 (NWT, Ont,  
Que, Sask); 2. Allen and Mills 1971 (Sask); 3.  
Unruh et al. 1973 (Alta, NWT, Sask); 4. Anvik  
et al. 1974 (Sask)

##### FAMILY FASCIOLIDAE

*Fasciola hepatica* Linnaeus, 1758

Site: [liver]

Hosts: *Bos taurus* (3)

*Ovis aries* (1,2)

Dist.: BC, Canada, NB, Que

Record: 1. Griffiths 1939 (BC, NB, Que); 2.  
Swales 1940a (Canada); 3. Bouvry and Rau  
1986 (Que)

*Fascioloides magna* (Bassi, 1875) Ward, 1917

Site: liver

Host: *Bos taurus*

Dist.: Alta, Ont

Records: Swales 1933b (Alta); Slocombe 1973a  
(Ont)

##### FAMILY HETEROPHYIDAE

*Cryptocotyle lingua* (Creplin, 1825) Luhe, 1899

Site: [intestine]

Host: *Canis familiaris*

Dist.: Nfld, Que

Record: Cameron et al. 1940

##### FAMILY NANOPHYETIDAE

*Nanophyetus salmincola* Chapin, 1927

Site: [intestine]

Host: *Canis familiaris*

Dist.: BC

Record: Booth et al. 1984

**Remarks:** Infection was diagnosed by finding  
*N. salmincola* eggs in the feces.

##### FAMILY OPISTHORCHIIDAE

*Metorchis conjunctus* (Cobbold, 1860) Looss, 1899

Site: bile ducts, pancreatic duct

Hosts: *Canis familiaris* (1,2,4,5,6,7,8)

*Felis catus* (3,5,8)

Dist.: Alta, Man, NWT, Ont, Que, Sask

Records: 1. Cameron et al. 1940 (Man, Ont,

Que, Sask); 2. Mongeau 1961 (Man); 3.

Axelsson 1962 (Ont); 4. McLeod 1967 (Man); 5.

Mills and Hirth 1968 (Ont); 6. Unruh et al. 1973

(Alta, NWT, Sask); 7. Anvik et al. 1974 (Sask);

8. Watson 1981 (Que)

*Metorchis* spp.

Site: [bile ducts]

Host: *Canis familiaris*

Dist.: Sask

Record: Allen and Mills 1971

*Parametorchis complexus* (Stiles and Hassall, 1894)  
Skrjabin, 1913

Syn.: *Parametorchis manitobensis* (Allen and  
Wardle, 1934) Kennedy, 1983

Site: bile ducts, gallbladder

Hosts: *Canis familiaris* (1)

*Felis catus* (2)

Dist.: Alta, Man

Records: 1. Allen and Wardle 1934 (Man); 2.

Kennedy 1983 (Alta)

##### FAMILY PARAMPHISTOMIDAE

*Calicophoron microbothrioides* (Price and McIntosh,  
1944) Eduardo, 1983

Syn.: *Paramphistomum microbothrioides* Price  
and McIntosh, 1944

Site: rumen

Host: *Bos taurus*

Dist.: Que

Record: Bouvry and Rau 1984

*Paramphistomum liorchis* Fiscoeder, 1901

Site: rumen  
Host: *Bos taurus*  
Dist.: Que  
Record: Bouvry and Rau 1984

*Paramphistomum* spp.

Site: [intestine]  
Host: *Bos taurus*  
Dist.: Alta, Ont  
Record: Swales 1933b

## FAMILY PLAGIORCHIIDAE

*Plagiorchis massino* Petrov and Tikhonov, 1927

Site: [intestine]  
Host: *Felis catus*  
Dist.: Nfld  
Record: Smith and Threlfall 1973

## FAMILY TROGLOTREMATIDAE

*Paragonimus kellicotti* Ward, 1908

Site: lungs  
Hosts: *Canis familiaris* (1,2,3)  
*Felis catus* (4)  
Dist.: Ont  
Records: 1. Nielsen 1955; 2. Comfort and Axelson 1962; 3. Gillick 1972; 4. Rendano 1974  
**Remarks:** Nielsen (1955) presumed his specimen was *P. kellicotti*.

*Paragonimus* spp.

Site: lungs  
Hosts: *Canis familiaris*  
*Sus scrofa*  
Dist.: Ont  
Record: Slocombe 1973a

Unidentified Digenea gen. spp.

Site: [intestine]  
Host: *Canis familiaris*  
Dist.: Man, NWT, Que  
Records: Cameron et al. 1940 (Man, NWT, Que); Seah et al. 1975 (Que); Ghadirian et al. 1976 (Que)

## CLASS CESTOIDEA

### SUBCLASS EUCESTODA

### ORDER CYCLOPHYLLIDEA

### FAMILY ANOPOCEPHALIDAE

*Anoplocephala magna* (Abildgaard, 1789)

Spengel, 1905

Site: [intestine]  
Host: *Equus caballus*  
Dist.: Ont, Que  
Records: Swales 1933b (Que); Slocombe 1973a (Ont)

*Anoplocephala perforiata* (Goeze, 1782)

Blanchard, 1848

Site: [intestine]  
Host: *Equus caballus*  
Dist.: Nfld, Ont  
Records: Swales 1933b (Ont); Slocombe 1973a (Ont); Smith and Threlfall 1973 (Nfld); Slocombe 1979 (Ont); Slocombe and Cote 1984 (Ont); Slocombe et al. 1987 (Ont)

*Anoplocephala* spp.

Site: [intestine]  
Host: *Equus caballus*  
Dist.: Ont  
Records: Swales 1933a; Slocombe 1973a

*Moniezia benedeni* (Moniez, 1879) Blanchard, 1891

Site: intestine  
Host: *Bos taurus*  
Dist.: NB, Que  
Records: Swales 1933b (Que); Smith 1970 (NB)

*Moniezia expansa* (Rudolphi, 1810) Blanchard, 1891

Site: intestine  
Hosts: *Bos taurus* (2)  
*Ovis aries* (1,2,3,4,5,6,7,8,9,10,11)  
Dist.: Canada, Nfld, NS, Ont, Que  
Records: 1. Swales 1933a (unspecified), 2. 1933b (Ont, Que); 3. Griffiths 1937 (Que); 4. Fallis 1938 (Ont); 5. Swales 1939 (Que), 6. 1940a (Canada), 7. 1940b (Que); 8. Swales and Choquette 1940 (Que); 9. Swales et al. 1942 (Ont); 10. Smith and Archibald 1965 (NS); 11. Smith and Threlfall 1973 (Nfld)

*Moniezia* spp.

Site: [intestine]  
Hosts: *Bos taurus* (1,2,3)  
*Ovis aries* (4,5)  
Dist.: Nfld, Ont, Que, Sask  
Records: 1. McGregor and Kingscote 1957 (Ont); 2. Frechette and Gibbs 1971 (Que); 3. Slocombe 1973a (Ont); 4. Smith and Threlfall 1973 (Nfld); 5. Moteane et al. 1979 (Sask)

*Paranoplocephala mamillana* (Mehlis, 1831)

Baer, 1927

Syn.: *Anoplocephala mamillana* (Mehlis, 1831) Blanchard, 1891  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: BC, Que, Sask  
Record: Swales 1933b

*Thysanosoma actinioides* Diesing, 1835

Site: [intestine]  
Host: *Ovis aries*  
Dist.: Alta, BC, Canada, Sask  
Records: Swales 1933a (BC), 1933b (Alta, Sask), 1940a (Canada)

*Thysanosoma* spp.

Site: bile duct  
Host: *Ovis aries*  
Dist.: Ont, Sask  
Records: Slocombe 1973a (Ont); Moteane et al. 1979 (Sask)

## FAMILY DILEPIDIDAE

*Dipylidium caninum* (Linnaeus, 1758) Railliet, 1892  
 Site: [intestine]  
 Hosts: *Canis familiaris* (1,2,3,5,6,7)  
*Felis catus* (1,4)  
 Dist.: NB, Nfld, NWT, Ont, Que  
 Records: 1. Swales 1933b (Ont, Que); 2. Cameron et al. 1940 (NWT, Ont); 3. Freeman 1962 (Ont); 4. Threlfall 1969 (Nfld); 5. Smith and Threlfall 1973 (Nfld); 6. Unruh et al. 1973 (NWT); 7. Malloy and Embil 1978 (NB)

*Dipylidium* spp.  
 Site: [intestine]  
 Hosts: *Canis familiaris* (1,2)  
*Felis catus* (2)  
 Dist.: Ont, Sask  
 Records: 1. Allen and Mills 1971 (Sask); 2. Slocombe 1973a (Ont)

## FAMILY MESOCESTOIDIDAE

*Mesocestoides* spp.  
 Site: intestine  
 Host: *Canis familiaris*  
 Dist.: Ont  
 Record: Speckmann and Webster 1975

## FAMILY TAENIIDAE

*Echinococcus granulosus* (Batsch, 1786) Rudolphi, 1801  
 Site: intestine  
 Host: *Canis familiaris*  
 Dist.: Ont, Que  
 Records: Choquette 1956 (Que); Slocombe 1973a (Ont)

*Echinococcus granulosus* (Batsch, 1786) Rudolphi, 1801 (hydatid cyst)  
 Site: liver  
 Host: *Sus scrofa*  
 Dist.: Ont  
 Record: Pallister and Plummer 1941 (Ont)

*Echinococcus multilocularis* Leuckart, 1863  
 Site: [intestine]  
 Host: *Felis catus*  
 Dist.: Sask  
 Record: Wobeser 1971

*Echinococcus* spp. (hydatid)  
 Site: liver  
 Host: *Sus scrofa*  
 Dist.: Ont  
 Record: Osler and Clement 1883

*Multiceps* spp.  
 Site: unspecified  
 Host: *Sus scrofa*  
 Dist.: Ont  
 Record: Slocombe 1973a

*Taenia crassiceps* (Zeder, 1800) Rudolphi, 1810  
 Site: [intestine]  
 Hosts: *Canis familiaris* (2)  
*Canis familiaris* x *Canis latrans* (1)  
 Dist.: Ont  
 Records: 1. Freeman et al. 1961; 2. Freeman 1962.

*Taenia elliptica*  
 Site: intestine  
 Host: *Canis familiaris*  
 Dist.: Que  
 Record: Osler 1877

*Taenia hydatigena* (Pallas, 1766)  
 Syn: *Cysticercus tenuicollis* Pallas, 1766  
 Site: mesenteries, peritoneum, intestine  
 Hosts: *Bos taurus* (1)  
*Canis familiaris* (1,3,4)  
*Ovis aries* (1,2,3,5,6)  
*Sus scrofa* (3)  
 Dist.: Alta, Canada, Nfld, Ont, Que, Sask  
 Records: 1. Swales 1933b (Alta, Ont, Que); 2. Swales 1940a (Canada); 3. Sweatman and Plummer 1957 (Que); 4. Threlfall 1969 (Nfld); 5. Slocombe 1973a (Ont); 6. Moteane et al. 1979 (Sask)

*Taenia ovis* (Cobbold, 1869), Ransom, 1913  
 Syn: *Cysticercus ovis*  
 Site: unspecified  
 Host: *Ovis aries*  
 Dist.: Canada, Man, NS  
 Record: Swales 1933b (Man), 1940a (Canada); Soehl 1984a (NS), 1984b (NS)

*Taenia pisiformis* (Bloch, 1780) Gmelin, 1790  
 Site: [intestine]  
 Hosts: *Canis familiaris* (1,3,4,5)  
*C. familiaris* x *C. latrans* (2)  
 Dist.: Alta, Nfld, NWT, Ont, Que  
 Records: 1. Swales 1933b (Que); 2. Freeman et al. 1961 (Ont); 3. Threlfall 1969 (Nfld); 4. Smith and Threlfall 1973 (Nfld); 5. Unruh et al. 1973 (Alta, NWT)

*Taenia serialis* (Gervais, 1847) Baillet, 1863  
 Site: [intestine]  
 Host: *Canis familiaris*  
 Dist.: Alta, NWT  
 Record: Unruh et al. 1973

*Taenia solium* Linnaeus, 1758  
 Syn: *Cysticercus cellulosae* Linnaeus, 1758  
 Site: [liver]  
 Host: *Sus scrofa*  
 Dist.: Man, Ont, Sask  
 Records: Osler and Clement 1883 (Ont); Swales 1933b (Man, Sask)

*Taenia taeniaeformis* (Batsch, 1786) Wolffgel, 1863  
 Site: [intestine]  
 Host: *Felis catus*  
 Dist.: Nfld, Que  
 Records: Swales 1933b (Que); Smith and Threlfall 1973 (Nfld)



*Taenia* spp.

Site: [intestine]

Hosts: *Canis familiaris* (1,2,3)

*Felis catus* (2,4)

Dist.: BC, Man, NWT, Ont, Que, Sask

Records: 1. Cameron 1940 (BC, Man, NWT, Ont, Que); 2. Slocombe 1973a (Ont); 3. Anvik et al. 1974 (Sask); 4. Rendano 1974 (Ont)

*Taeniarhynchus saginatus* (Goeze, 1782)

Weinland, 1858

Syn: *Cysticercus bovis* Cobbold, 1866

Site: unspecified

Host: *Bos taurus*

Dist.: Ont, Sask

Records: Swales 1933b (Ont, Sask); Slocombe 1973a (Ont)

*Taenia/ Echinococcus* spp. (egg)

Site: [intestine]

Host: *Canis familiaris*

Dist.: Alta, NWT, Sask

Records: Allen and Mills 1971 (Sask); Unruh et al. 1973 (Alta, NWT, Sask)

ORDER PSEUDOPHYLLIDEA

FAMILY DIPHYLLOBOTHRIIDAE

*Diphyllobothrium dendriticum* Nitsch, 1824

Site: [intestine]

Host: *Felis catus*

Dist.: Nfld

Records: Threlfall 1969; Smith and Threlfall 1973

*Diphyllobothrium latum* Luhe, 1910

Site: [intestine]

Host: *Canis familiaris*

Dist.: Alta, Nfld, NWT, Que, Sask

Records: Saunders 1949 (Alta); Threlfall 1969 (Nfld); Smith and Threlfall 1973 (Nfld); Unruh et al. 1973 (NWT); Anvik et al. 1974 (Sask); Seah et al. 1975 (Que)

*Diphyllobothrium* spp.

Site: [intestine]

Hosts: *Canis familiaris* (1,2,3,4,6)

*Felis catus* (5)

Dist.: Alta, Man, Nfld, NWT, Ont, Que, Sask

Records: 1. Wardle and McColl 1937 (Ont); 2. Cameron et al. 1940 (Alta, Man, Nfld, NWT, Ont, Que, Sask); 3. Threlfall 1969 (Nfld); 4. Allen and Mills 1971 (Sask); 5. Slocombe 1973a (Ont); 6. Unruh et al. 1973 (Alta, NWT, Sask)

Unidentified Cestoidea gen. spp.

Site: Intestine

Host: *Canis familiaris*

Dist.: Man, Que

Records: Mongeau 1961 (Man); Seah et al. 1975 (Que)

PHYLUM NEMATODA

SUBCLASS ADENOPHOREA

ORDER ENOPLIDA

SUPERFAMILY DIOCTOPHYMATOIDEA

FAMILY DIOCTOPHYMATIDAE

*Diectophyma renale* (Goeze, 1782) Collet-Meygret, 1802

Site: kidney

Host: *Canis familiaris*

Dist.: Man, NWT, Ont, Que

Records: Swales 1933b (Ont, Que); Cameron et al. 1940 (Man); McLeod 1967 (Man); Unruh et al. 1973 (NWT)

SUPERFAMILY TRICHINELLOIDEA

FAMILY TRICHINELLIDAE

*Trichinella spiralis* (Owen, 1835) Railliet, 1894 (cyst/larva)

Site: diaphragm

Host: *Sus scrofa*

Dist.: BC, Man, NB, NS, Ont, PEI, Que

Records: Osler and Clement 1883 (Ont); Cameron 1938 (Man, Ont, PEI, Que), 1939 (Man, Ont, PEI, Que), 1940a (Que); Moynihan and Musfeldt 1949 (BC); Frank 1952 (NB, NS, PEI); Tailyour and Steele 1960 (BC); Smith 1975a (NB); Faubert et al. 1985 (Que)

**Remarks:** Faubert et al. (1985) used the ELISA technique to detect *T. spiralis*.

*Trichinella spiralis spiralis* (Owen, 1835)

Site: unspecified

Host: *Sus scrofa*

Dist.: NS

Record: Smith and Kay 1987 (NS)

*Trichinella* spp.

Site: tail musculature

Host: *Sus scrofa*

Dist.: NB

Record: Smith 1975b

FAMILY TRICHURIDAE

*Capillaria aerophila* Creplin, 1839

Site: [lungs]

Hosts: *Canis familiaris* (2)

*Felis catus* (1)

Dist.: Que

Record: 1. Rendano 1974 (Ont); 2. Seah et al. 1975 (Que)

*Capillaria hepatica* Bancroft, 1896

Site: liver

Hosts: *Felis catus* (1)

*Equus caballus* (2)

Dist.: Alta, NB

Records: 1. Malloy and Embil 1978 (NB); 2. Nation and Dies 1978 (Alta)

*Capillaria longipes* Ransom, 1911

Site: [intestine]

Host: *Ovis aries*

Dist.: Canada, Que

Records: Swales 1939 (Que), 1940a (Canada);  
Ayalew and Gibbs 1973 (Que)

*Capillaria* spp.

Site: unspecified

Hosts: *Bos taurus* (3,5)

*Canis familiaris* (7)

*Felis catus* (7)

*Ovis aries* (1,2,4,6)

Dist.: NS, Ont, Que

Records: 1. Griffiths 1937 (Que); 2. Fallis 1938  
(Ont); 3. McGregor and Kingscote 1957 (Ont);  
4. Smith and Archibald 1965 (NS); 5. Frechette  
and Gibbs 1971 (Que); 6. Ayalew et al. 1973a  
(Que); 7. Slocombe 1973a (Ont)

*Trichuris discolor* Linstou, 1906

Site: [intestine]

Host: *Bos taurus*

Dist.: NB, Ont, Que

Records: Smith and Stevenson 1970 (NB);  
Frechette et al. 1973 (Que); Slocombe 1974b  
(Ont)

*Trichuris ovis* (Abildgaard, 1795) Smith, 1908

Site: [intestine]

Hosts: *Bos taurus* (1,7)

*Ovis aries* (1,2,3,4,5,6,7,8,9,10)

Dist.: Canada, NB, Nfld, NS, Ont, Que

Records: 1. Swales 1933b (NS, Ont, Que); 2.  
Fallis 1938 (Ont); 3. Swales 1940a (Canada), 4.  
1940b (Que); 5. Swales and Choquette 1940  
(Que); 6. Smith and Archibald 1965 (NS), 7.  
1968 (NB); 8. Ayalew and Gibbs 1973 (Que); 9.  
Ayalew et al. 1973a (Que); 10. Smith and  
Threlfall 1973 (Nfld)

*Trichuris suis* (Shrank, 1788)

Site: [intestine]

Host: *Sus scrofa*

Dist.: NB, Ont, Que

Records: Swales 1933b (Ont, Que); Smith 1972  
(NB); Martin et al. 1974 (Que)

*Trichuris vulpis* (Frohlich, 1789)

Site: [intestine]

Host: *Canis familiaris*

Dist.: Nfld, Ont, Que

Records: Osler 1877 (Que); Swales 1933b (Ont,  
Que); Cameron et al. 1940 (Ont); Choquette  
and Gelinis 1950 (Que); Smith and Threlfall  
1973 (Nfld); Seah et al. 1975 (Que)

*Trichuris* spp.

Site: [intestine]

Hosts: *Bos taurus* (3,4,5,6)

*Canis familiaris* (2,4)

*Ovis aries* (1,4)

*Sus scrofa* (2)

Dist.: Alta, NWT, Ont, Sask

Records: 1. Swales et al. 1942 (Ont); 2.

Slocombe 1973a (Ont), 3. 1973b (Ont); 4.

Unruh et al. 1973 (Alta, NWT, Sask); 5.

Moteane et al. 1979 (Sask); 6. Reid and Madill  
1987 (Ont)

*Trichuris* spp. (egg)

Site: [intestine]

Hosts: *Bos taurus* (1,2)

*Canis familiaris* (3,4,5)

Dist.: NB, Ont, Que, Sask

Records: 1. McGregor and Kingscote 1957  
(Ont); 2. Smith 1970 (NB); 3. Allen and Mills  
1971 (Sask); 4. Ghadirian et al. 1976 (Que); 5.  
Malloy and Embil 1978 (NB)

Unidentified Trichuridae

Site: [intestine]

Host: *Bos taurus*

Dist.: Ont

Record: Campbell et al. 1960

## SUBCLASS SECERNENTEA

### ORDER ASCARIDIDA

#### SUPERFAMILY ASCARIDOIDEA

#### FAMILY ASCARIDIDAE

*Ascaris lumbricoides* Linnaeus, 1758 (larva)

Site: lungs

Hosts: *Bos taurus* (3)

*Sus scrofa* (1,2)

Dist.: All Provinces, Ont

Records: 1. Swales 1933a (Ont), 2. 1933b (All  
Provinces); 3. Allen 1962 (Ont)

*Ascaris suum* Goeze, 1782

Site: [intestine]

Hosts: *Bos taurus* (1)

*Ovis aries* (6)

*Sus scrofa* (2,3,4,5)

Dist.: Ont, NB, Nfld, Que, Sask

Records: 1. McCraw and Lautenslager 1971  
(Ont); 2. Smith 1972 (NB); 3. Smith and  
Threlfall 1973 (Nfld); 4. Martin et al. 1974  
(Que); 5. Polley and Mostert 1980 (Sask); 6.  
Sauvageau and Frechette 1980 (Que)

*Ascaris* spp.

Site: [intestine]

Hosts: *Canis familiaris* (4)

*Ovis aries* (1,2)

*Sus scrofa* (3)

Dist.: Canada, Ont, Que

Records: 1. Fallis 1938 (Ont); 2. Swales 1940a  
(Canada); 3. Slocombe 1973a (Ont); 4. Seah et  
al. 1975 (Que)

*Parascaris equorum* (Goeze, 1782) York and  
Maplestone, 1926

Site: [intestine]

Host: *Equus caballus*  
Dist.: NB, Nfld, Ont, Que  
Records: Swales 1933b (Ont, Que); Smith and Threlfall 1973 (Nfld); Smith 1976a (NB); Slocombe and Cote 1984 (Ont); Slocombe et al. 1987 (Ont)

*Parascaris* spp.

Site: [intestine]  
Host: *Equus caballus*  
Dist.: Ont  
Records: Slocombe 1973a; Slocombe and McCraw 1973

*Toxascaris leonina* (Linstow, 1902) Leiper, 1907

Syn.: *Toxascaris limbata* Railliet and Henry, 1911  
Site: intestine  
Hosts: *Canis familiaris* (1,2,3,4,5,6,7,8,9,10)  
*Felis catus* (5,6,10)  
Dist.: Alta, Man, NB, Nfld, NWT, Ont, Que, Sask  
Records: 1. Osler 1877 (Que); 2. Swales 1933b (Que); 3. Cameron et al. 1940 (Alta, Man, NB, Nfld, Ont, Que, Sask); 4. Choquette and Gelinas 1950 (Que); 5. Threlfall 1969 (Nfld); 6. Smith and Threlfall 1973 (Nfld); 7. Unruh et al. 1973 (Alta, NWT, Sask); 8. Anvik et al. 1974 (Sask); 9. Ghadirian et al. 1976 (Que); 10. Malloy and Embil 1978 (NB)

*Toxascaris* spp.

Site: [intestine]  
Hosts: *Canis familiaris* (1,2)  
*Felis catus* (2)  
Dist.: Ont, Sask  
Records: 1. Allen and Mills 1971 (Sask); 2. Slocombe 1973a (Ont)

*Toxocara canis* (Werner, 1782) Stiles, 1905

Site: intestine  
Host: *Canis familiaris*  
Dist.: Alta, Man, NB, Nfld, NS, NWT, Ont, Que, Sask  
Records: Cameron et al. 1940 (Alta, Man, Nfld, NWT, Ont, Que, Sask); Choquette and Gelinas 1950 (Que); Webster 1958 (Que); Threlfall 1969 (Nfld); Malloy and Embil 1973 (NS); Smith and Threlfall 1973 (Nfld); Unruh et al. 1973 (Alta, NWT, Sask); Anvik et al. 1974 (Sask); Seah et al. 1975 (Que); Ghadirian et al. 1976 (Que); Malloy and Embil 1978 (NB)

*Toxocara cati* (Schrank, 1788) Brumpt, 1927

Syn.: *Belascaris mystax* Zeder, 1800  
Syn.: *Toxocara mystax* (Zeder, 1800)  
Site: [intestine]  
Host: *Felis catus*  
Dist.: NB, Nfld, NS, Ont, Que  
Records: Swales 1933b (Que); Threlfall 1969 (Nfld); Malloy and Embil 1973 (NS); Smith and Threlfall 1973 (Nfld); Rendano 1974 (Ont); Malloy and Embil 1978 (NB)

*Toxocara* spp.

Site: [intestine]  
Hosts: *Canis familiaris* (1,2)  
*Felis catus* (2)  
Dist.: Ont, Sask  
Records: 1. Allen and Mills 1971 (Sask); 2. Slocombe 1973a (Ont)

SUPERFAMILY COSMOCERCOIDEA

FAMILY ATRACTIDAE

*Probstmayria vivipara* (Probstmayr, 1865) Ransom 1907

Site: caecum, colon  
Host: *Equus caballus*  
Dist.: NB, Que  
Records: Swales 1933a (unspecified), 1933b (Que); Smith 1976a (NB), 1976b (NB), 1979b (NB)

ORDER OXYURIDA

SUPERFAMILY OXYUROIDEA

FAMILY OXYURIDAE

*Oxyuris equi* (Schrank, 1788) Rudolphi, 1803

Site: [intestine]  
Host: *Equus caballus*  
Dist.: NB, Nfld, Ont, Que  
Records: Swales 1933b (Ont, Que); Threlfall 1969 (Nfld); Smith 1976a (NB)

*Oxyuris* spp.

Site: [intestine]  
Host: *Equus caballus*  
Dist.: Ont  
Records: Slocombe 1973a; Slocombe and McCraw 1973

*Skrjabinema* spp.

Site: [intestine]  
Host: *Ovis aries*  
Dist.: Sask  
Record: Moteane et al. 1979

ORDER RHABDITIDA

SUPERFAMILY RHABDITOIDEA

FAMILY RHABDITIDAE

*Pelodera strongyloides* (Schneider, 1860) Schneider, 1866

Syn.: *Rhabditis strongyloides* (Schneider, 1860) Oerley, 1880  
Site: unspecified  
Host: *Canis familiaris*  
Dist.: Ont  
Record: Lord and McGregor 1960



FAMILY STRONGYLOIDIDAE

*Strongyloides papillosus* (Wedl, 1856) Ransom, 1911  
 Site: intestine  
 Hosts: *Bos taurus* (7)  
*Ovis aries* (1,2,3,4,5,6,8,9)  
 Dist.: Canada, NS, Ont, Que  
 Records: 1. Griffiths 1937 (Que); 2. Fallis 1938 (Ont); 3. Swales 1940a (Canada), 4. 1940b (Que); 5. Basir 1950 (Que); 6. Smith and Archibald 1965 (NS); 7. Frechette and Gibbs 1971 (Que); 8. Ayalew and Gibbs 1973 (Que); 9. Ayalew et al. 1973a (Que)

*Strongyloides ransomi* Schwartz and Alicata, 1930  
 Site: intestine  
 Host: *Sus scrofa*  
 Dist.: NB  
 Record: Smith 1972

*Strongyloides stercoralis* (Bavay, 1876) Stiles and Hassall, 1902  
 Site: unspecified  
 Host: *Canis familiaris*  
 Dist.: Que  
 Records: Choquette and Gelinis 1950; Seah et al. 1975

*Strongyloides* spp.  
 Site: unspecified  
 Hosts: *Bos taurus* (3,4)  
*Canis familiaris* (5)  
*Equus caballus* (5,6)  
*Felis catus* (5)  
*Ovis aries* (1,2,7)  
*Sus scrofa* (5)  
 Dist.: Ont, Que, Sask  
 Records: 1. Swales 1939 (Que); 2. Swales et al. 1942 (Ont); 3. McGregor and Kingscote 1957 (Ont); 4. Slocombe 1973a (Ont), 5. 1973b (Ont); 6. Slocombe and McCraw 1973 (Ont); 7. Moteane et al. 1979 (Sask)

Unidentified Rhabditoidea  
 Site: unspecified  
 Hosts: *Bos taurus* (1)  
*Canis familiaris* (2)  
*Felis catus* (2)  
 Dist.: Ont  
 Records: 1. McGregor and Kingscote 1957; 2. Slocombe 1973a

ORDER SPIRURIDA

SUPERFAMILY DRACUNCULOIDEA

FAMILY DRACUNCULIDAE

*Dracunculus insignis* (Leidy, 1858) Chandler, 1942  
 Site: unspecified  
 Host: *Canis familiaris*  
 Dist.: Que  
 Record: Deroth and Frechette 1975

SUPERFAMILY FILARIOIDEA

FAMILY FILARIIDAE

*Parafilaria bovicola* Tubangui, 1934  
 Site: subcutaneous tissue  
 Host: *Bos taurus*  
 Dist.: Alta, Que  
 Records: Niilo 1968 (Alta); Webster and Wilkins 1970 (Que)  
**Remarks:** Both records were from imported cattle. Niilo's (1968) record was a presumptive identification.

*Stephanofilaria stilesi* Chitwood, 1934  
 Site: subcutaneous  
 Host: *Bos taurus*  
 Dist.: Alta  
 Record: Maddy 1955; Dies and Pritchard 1985  
**Remarks:** The infection was diagnosed in the United States in cattle imported from Alberta (Maddy 1955).

FAMILY ONCHOCERCIDAE

*Dipetalonema* spp.  
 Site: unspecified  
 Host: *Canis familiaris*  
 Dist.: Ont  
 Record: Slocombe 1973a

*Dirofilaria immitis* (Leidy, 1856) Railliet and Henry, 1911  
 Site: pulmonary artery, right ventricle, blood  
 Hosts: *Canis familiaris* (1,3,4,5,6)  
*Felis catus* (2)  
 Dist.: Alta, Ont, Sask  
 Records: 1. Fletch 1969 (Ont); 2. Bernard 1970 (Ont), 3. 1971 (Ont); 4. Bourns et al. 1975 (Ont); 5. Frimeth and Arai 1983 (Alta); 6. Stogdale 1984 (Sask)  
**Remarks:** The dog in Bernard's (1971) report was originally diagnosed in the United States. The dog in Stogdale's (1984) report was born and raised until four months of age in Ontario. From there it had been brought directly to Saskatchewan and was diagnosed positive at fourteen years of age. Diagnosis was based on an indirect immunofluorescent antibody test.

*Dirofilaria* spp.  
 Site: unspecified  
 Host: *Canis familiaris*  
 Dist.: Ont  
 Record: Slocombe 1973a

*Onchocerca cervicalis* Railliet and Henry, 1910  
 Site: unspecified  
 Host: *Equus caballus*  
 Dist.: BC, Que  
 Records: Marcoux et al. 1977 (Que); Lees et al. 1983 (BC)

*Onchocerca gutturosa* Neumann, 1910

Site: ligamentum nuchae

Host: *Bos taurus*

Dist.: Ont, Que

Record: Webster and Dukes 1979

*Onchocerca lienalis* Stiles, 1892

Site: ligamentum gastrolienale

Host: *Bos taurus*

Dist.: Ont, Que

Record: Webster and Dukes 1979

*Onchocerca* spp.

Site: subcutaneous nodules in area of knee joint

Hosts: *Bos taurus* (1,2)

*Equus caballus* (3)

Dist.: Alta, BC, Man, Sask

Records: 1. Webster et al. 1977 (Man, Sask); 2.

Dukes et al. 1981 (Man, Sask); 3. Polley 1984

(Alta, BC, Man, Sask)

**Remarks:** Polley 1984 did not record the infection rate by province.

*Setaria equina* (Abildgaard, 1789) Railliet and Henry, 1911

Site: unspecified

Host: *Equus caballus*

Dist.: Ont, Que

Record: Swales 1933b

*Setaria labiatopapillosa* (Perroncito, 1882) Railliet and Henry, 1911

Site: unspecified

Host: *Bos taurus*

Dist.: Alta, Man, Ont, Que

Record: Swales 1933b

*Setaria* spp.

Site: peritoneum

Host: *Equus caballus*

Dist.: Ont

Record: Slocombe 1973a

## SUPERFAMILY HABRONEMATOIDEA

### FAMILY HABRONEMATIDAE

*Habronema majus* (Creplin, 1849) Railliet, 1923

Syn.: *Habronema microstoma* (Schnider, 1866)

Site: unspecified

Host: *Equus caballus*

Dist.: Ont

Record: Swales 1933b

*Habronema muscae* (Carter, 1861) Diesing, 1861

Site: unspecified

Host: *Equus caballus*

Dist.: Ont

Record: Swales 1933b

*Habronema* spp.

Site: unspecified

Host: *Equus caballus*

Dist.: Ont

Record: Slocombe 1973a

## SUPERFAMILY PHYSALOPTEROIDEA

### FAMILY PHYSALOPTERIDAE

*Physaloptera rara* Hall and Wigdor, 1918

Site: [intestine]

Host: *Canis familiaris*

Dist.: Que

Record: Seah et al. 1975

## SUPERFAMILY SPIRUROIDEA

### FAMILY GONGYLONEMATIDAE

*Gongylonema pulchrum* Molin, 1857

Site: unspecified

Host: *Ovis aries*

Dist.: Canada, Ont

Records: Swales 1933b (Ont), 1940a (Canada)

### FAMILY SPIROCERCIDAE

*Ascarops* spp.

Site: stomach

Host: *Sus scrofa*

Dist.: Ont

Record: Stockdale and Lautenslager 1973

*Physocephalus* spp.

Site: stomach

Host: *Sus scrofa*

Dist.: Ont

Record: Stockdale and Lautenslager 1973

*Spirocerca* spp.

Site: unspecified

Host: *Canis familiaris*

Dist.: Ont

Record: Slocombe 1973a

## SUPERFAMILY THELAZIOIDEA

### FAMILY THELAZIIDAE

*Thelazia gulosa* Railliet and Henry, 1910

Site: unspecified

Host: *Bos taurus*

Dist.: Ont

Record: Moolenbeek and Surgeoner 1980

*Thelazia lacrymalis* (Gurlt, 1831) Railliet and Henry, 1910

Site: conjunctiva, nasolacrimal ducts, orbit of eye

Hosts: *Bos taurus* (3)

*Equus caballus* (1,2)

Dist.: Ont, Que

Records: 1. Barker 1970 (Ont); 2. Frechette et al. 1976 (Que); 3. Moolenbeek and Surgeoner 1980

*Thelazia skrjabini* Erschow, 1928

Site: lacrimal ducts, under the nictitating membrane

Host: *Bos taurus*

Dist.: Alta

Record: Kennedy and Moraiko 1987

*Thelazia* spp.

Site: unspecified

Host: *Bos taurus* (2)

*Equus caballus* (1)

Dist.: Ont, Que

Record: 1. Slocombe 1973a (Ont) 2. Frechette et al. 1976 (Que)

ORDER STRONGYLIDA

SUPERFAMILY ANCYLOSTOMATOIDEA

FAMILY ANCYLOSTOMATIDAE

*Ancylostomum caninum* Ercolani, 1854

Site: [intestine]

Host: *Canis familiaris*

Dist.: Alta, Ont, Que

Records: Osler 1877 (Que); Swales 1933b (Ont); Cameron et al. 1940 (Ont, Que); Saunders 1949 (Alta)

*Ancylostomum* spp.

Site: [intestine]

Hosts: *Canis familiaris* (1,2)

*Felis catus* (1)

Dist.: Ont, Sask

Records: 1. Slocombe 1973a (Ont); 2. Anvik et al. 1974 (Sask)

*Bunostomum phlebotomum* (Railliet, 1900) Lane, 1917

Syn.: *Monodontus phlebotomus* Railliet, 1900

Site: unspecified

Host: *Bos taurus*

Dist.: Que

Record: Swales 1933b

*Bunostomum trigonocephalum* (Rudolphi, 1808) Railliet, 1902

Syn.: *Monodontus trigonocephalus* Rudolphi, 1808

Site: unspecified

Hosts: *Bos taurus* (1)

*Ovis aries* (1,2,3,4,5,6,7,8,9,10)

Dist.: Canada, Nfld, NS, Ont, Que

Records: 1. Swales 1933b (Ont, Que), 2.

Griffiths 1937 (Que); 3. Swales 1940a (Canada);

4. Fallis 1938 (Ont); 5. Swales and Choquette

1940 (Que); 6. Swales et al. 1942 (Ont); 7. Smith

and Archibald 1965 (NS); 8. Ayalew and Gibbs

1973 (Que); 9. Ayalew et al. 1973a (Que); 10.

Smith and Threlfall 1973 (Nfld)

*Bunostomum* spp.

Syn.: *Monodontus* spp.

Site: unspecified

Hosts: *Bos taurus* (2,3)

*Ovis aries* (1,4)

Dist.: Ont, Que, Sask

Records: 1. Swales 1939 (Que); 2. Frechette and

Gibbs 1971 (Que); 3. Slocombe 1973b (Ont); 4.

Moteane et al. 1979 (Sask)

*Uncinaria stenocephala* (Railliet, 1884) Railliet, 1885

Site: [intestine]

Host: *Canis familiaris*

Dist.: Alta, BC, Man, Nfld, NWT, Ont, Que

Records: Cameron et al. 1940 (Alta, BC, Man,

Nfld, NWT, Ont, Que); Threlfall 1969 (Nfld);

Smith and Threlfall 1973 (Nfld); Unruh et al.

1973 (Alta, NWT)

*Uncinaria* spp.

Site: [intestine]

Host: *Canis familiaris*

Dist.: Ont, Sask

Records: Slocombe 1973a (Ont); Anvik et al. 1974 (Sask)

Unidentified Ancylostomatidae

Site: unspecified

Host: *Canis familiaris*

Dist.: Alta, NB, NWT, Que, Sask

Records: Allen and Mills 1971 (Sask); Unruh et

al. 1973 (Alta, NWT); Seah et al. 1975 (Que);

Ghadirian et al. 1976 (Que); Malloy and Embil

1978 (NB); Olson 1985 (Sask)

SUPERFAMILY METASTRONGYLOIDEA

FAMILY ANGIOSTRONGYLIDAE

*Aelurostrongylus* spp.

Site: unspecified

Host: *Felis catus*

Dist.: Ont

Record: Slocombe 1973a

FAMILY CRENOSOMATIDAE

*Crenosoma vulpis* (Dujardin, 1844) Railliet, 1915

Site: [lungs]

Host: *Canis familiaris*

Dist.: Nfld

Record: Smith and Threlfall 1973

FAMILY FILAROIDIDAE

*Filaroides milksi* Whitlock, 1956

Site: terminal and respiratory bronchioles

Host: *Canis familiaris*

Dist.: BC

Record: Greenway and Stockdale 1970

**Remarks:** This was a tentative identification (Greenway and Stockdale 1970)

*Filaroides* spp.

Site: unspecified

Host: *Canis familiaris*

Dist.: Ont

Record: Slocombe 1973a

*Oslerus osleri* (Cobbold, 1879) Anderson, Chabaud, and Willmott, 1978

Site: bronchi

Host: *Canis familiaris*

Dist.: Que

Record: Osler 1877



FAMILY METASTRONGYLIDAE

*Metastrongylus apri* (Gmelin, 1790) Vostokov, 1905

Site: bronchii  
Host: *Sus scrofa*  
Dist.: NB  
Record: Smith 1972

*Metastrongylus pudendotectus* Vostokov, 1905

Site: unspecified  
Host: *Sus scrofa*  
Dist.: Ont  
Record: Swales 1933b

*Metastrongylus salmi* Gedoelst, 1923

Syn.: *Metastrongylus elongatus* Salm, 1918  
Site: unspecified  
Host: *Sus scrofa*  
Dist.: NS, Ont, PEI, Que  
Record: Swales 1933b

*Metastrongylus* spp.

Site: unspecified  
Host: *Sus scrofa*  
Dist.: Ont  
Record: Slocombe 1973a

FAMILY PROTOSTRONGYLIDAE

*Muellerius capillaris* (Mueller, 1889) Cameron, 1927

Site: lungs  
Hosts: *Capra hircus* (3,4)  
*Ovis aries* (1,2)  
Dist.: Canada, Ont  
Records: 1. Fallis 1938 (Ont); 2. Swales 1940a (Canada); 3. McCraw et al. 1981 (Ont); 4. McCraw and Menzies 1986 (Ont)

*Muellerius* spp.

Site: unspecified  
Hosts: *Capra hircus* (2)  
*Ovis aries* (1)  
Dist.: Ont  
Record: 1. Slocombe 1973a; 2. Nimmo 1979

*Parelaphostrongylus tenuis* (Dougherty, 1945)

Pryadko and Boev, 1971  
Syn.: *Pneumostrongylus tenuis* Dougherty, 1945  
Site: central nervous system  
Host: *Ovis aries*  
Dist.: Ont  
Record: Anderson and Strelive 1966.

*Protostrongylus* spp.

Site: unspecified  
Host: *Ovis aries*  
Dist.: Ont  
Record: Slocombe 1973a

SUPERFAMILY STRONGYLOIDEA

FAMILY CHABERTIIDAE

*Chabertia ovina* (Fabricius, 1794) Railliet and Henry, 1909

Site: [intestine]

Host: *Ovis aries*

Dist.: Canada, NS, Ont, Que  
Records: Swales 1933b (Ont); Griffiths 1937 (Que); Fallis 1938 (Ont); Swales 1939 (Que); Swales 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que); Ayalew et al. 1973a (Que)

*Chabertia* spp.

Site: [intestine]  
Host: *Ovis aries*  
Dist.: Ont, Sask  
Records: Swales et al. 1942 (Ont); Slocombe 1973a (Ont); Moteane et al. 1979 (Sask)

*Oesophagostomum columbianum* (Curtice, 1890)  
Stossich, 1899

Site: [intestine]  
Host: *Ovis aries*  
Dist.: Canada, NS, Ont, Que  
Records: Swales 1933b (NS, Ont, Que); Fallis 1938 (Ont); Swales 1939 (Que), 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Swales et al. 1942 (Ont); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que); Ayalew et al. 1973a (Que)

*Oesophagostomum dentatum* (Rudolphi, 1803)  
Molin, 1861

Site: [intestine]  
Host: *Sus scrofa*  
Dist.: NB, Ont, Que  
Records: Swales 1933b (Ont, Que); Smith 1972 (NB), 1979a (NB)

*Oesophagostomum quadrispinulatum* (Marcone, 1901) Alicata, 1935

Site: [intestine]  
Host: *Sus scrofa*  
Dist.: NB  
Records: Smith 1972, 1979a

*Oesophagostomum radiatum* (Rudolphi, 1803)  
Railliet, 1898

Site: [intestine]  
Host: *Bos taurus*  
Dist.: NB, Nfld, Ont, Que  
Records: Swales 1933b (Ont, Que); Smith and Perreault 1972 (NB); Smith and Threlfall 1973 (Nfld)

*Oesophagostomum venulosum* (Rudolphi, 1809)  
Railliet and Henry, 1913

Site: [intestine]  
Host: *Ovis aries*  
Dist.: Canada, Nfld, NS, Ont, Que  
Records: Swales 1933b (Ont, Que), 1940a (Canada); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que); Smith and Threlfall 1973 (Nfld)

*Oesophagostomum* spp.

Site: intestine  
Hosts: *Bos taurus* (3,4)

*Ovis aries* (1,4,5)  
*Sus scrofa* (2,4,6,7)

Dist.: NB, Nfld, Ont, Que  
Records: 1. Swales 1939 (Que); 2. Davenport and Stockdale 1967 (Ont); 3. Frechette and Gibbs 1971 (Que); 4. Slocombe 1973b (Ont); 5. Smith and Threlfall 1973 (Nfld); 6. Martin et al. 1974 (Que); 7. Smith 1979a (NB)

#### FAMILY STRONGYLIDAE

- Cyathostomum catinatum* Looss, 1900  
Syn.: *Cylicostomum catinatum* (Looss, 1900)  
Gedoelst, 1924  
Syn.: *Trichonema catinatum* (Looss, 1900)  
LeRoux, 1924  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Alta, Nfld, Sask  
Records: Ransom and Hadwen 1918 (Alta, Sask); Smith and Threlfall 1973 (Nfld)
- Cyathostomum coronatum* Looss, 1900  
Syn.: *Cylicostomum coronatum* (Looss, 1900)  
Gedoelst, 1903  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Sask  
Record: Ransom and Hadwen 1918
- Cyathostomum labiatum* (Looss, 1902) McIntosh, 1933  
Syn.: *Cylicostomum labiatum* (Looss, 1902)  
Gedoelst, 1903  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Alta, Sask  
Record: Ransom and Hadwen 1918
- Cyathostomum labratum* Looss, 1900  
Syn.: *Cylicostomum labratum* (Looss, 1900)  
Gedoelst, 1903  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Alta, Sask  
Record: Ransom and Hadwen 1918
- Cylicocyclus elongatus* (Looss, 1900) Chaves, 1930  
Syn.: *Cylicostomum elongatum* (Looss, 1900)  
Gedoelst, 1903  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Nfld, Sask  
Records: Ransom and Hadwen 1918 (Sask); Smith and Threlfall 1973 (Nfld)
- Cylicocyclus insigne* (Boulenger, 1917) Chaves, 1930  
Syn.: *Cylicostomum insigne* (Boulenger, 1917)  
Ransom and Hadwen, 1918  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Alta  
Record: Ransom and Hadwen 1918
- Cylicocyclus nassatus* (Looss, 1900) Chaves, 1930  
Syn.: *Cylicostomum nassatum* (Looss, 1900)  
Gedoelst, 1903  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Alta, Nfld, Sask  
Records: Ransom and Hadwen 1918 (Alta, Sask); Smith and Threlfall 1973 (Nfld)
- Cylicocyclus radiatus* (Looss, 1900) Chaves, 1930  
Syn.: *Cylicostomum radiatum* (Looss, 1900)  
Gedoelst, 1903  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Alta, Sask  
Record: Ransom and Hadwen 1918
- Cylicodontophorus bicornatus* (Looss, 1900) Cram, 1924  
Syn.: *Cylicostomum bicornatum* (Looss, 1900)  
Gedoelst, 1903  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Alta, Sask  
Record: Ransom and Hadwen 1918
- Cylicostephanus calicatus* (Looss, 1900) Cram, 1924  
Syn.: *Cylicostomum calicatum* (Looss, 1900)  
Gedoelst, 1903  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Alta, Sask  
Record: Ransom and Hadwen 1918
- Cylicostephanus goldi* (Boulenger, 1917) Lichtenfels, 1975  
Syn.: *Cylicostomum goldi* (Boulenger, 1917)  
Ransom and Hadwen, 1918  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Alta, Sask  
Record: Ransom and Hadwen 1918
- Cylicostephanus poculatus* (Looss, 1900) Cram, 1924  
Syn.: *Cylicostomum poculatum* Looss, 1900  
Syn.: *Petrovinema poculatum* (Looss, 1900)  
Ershov, 1943  
Site: [intestine]  
Host: *Equus caballus*  
Dist.: Alta, Nfld, Sask  
Records: Ransom and Hadwen 1918 (Alta, Sask); Smith and Threlfall 1973 (Nfld)
- Gyalocephalus capitatus* Looss, 1900  
Site: unspecified  
Host: *Equus caballus*  
Dist.: Alta, NB, Ont, Sask  
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933b (Ont); Smith 1976a (NB)
- Gyalocephalus* spp.  
Site: unspecified  
Host: *Equus caballus*  
Dist.: NB  
Record: Smith 1976a

*Oesophagodontus robustus* (Giles, 1892) Railliet and Henry, 1902

Site: unspecified  
Host: *Equus caballus*  
Dist.: Alta, Nfld, Ont, Que, Sask  
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933b (Ont, Que); Threlfall 1969 (Nfld)

*Oesophagodontus* spp.

Site: unspecified  
Host: *Equus caballus*  
Dist.: NB  
Record: Smith 1976a

*Poteriostomum* spp.

Site: unspecified  
Host: *Equus caballus*  
Dist.: NB  
Record: Smith 1976a

*Strongylus edentatus* (Looss, 1900) Railliet and Henry, 1909

Syn.: *Alfortia edentatus* (Looss, 1900) Skrjabin, 1933  
Site: aorta  
Host: *Equus caballus*  
Dist.: Alta, NB, Nfld, Ont, Que, Sask  
Records: Ransom and Hadwen 1918 (Alta); Swales 1933a (Sask), 1933b (Que); Slocombe 1973a (Ont); Slocombe and McCraw 1973 (Ont); Smith and Threlfall 1973 (Nfld); Smith 1976a (NB), 1976b (NB)

*Strongylus equinus* Mueller, 1780

Site: unspecified  
Host: *Equus caballus*  
Dist.: Alta, NB, Ont, Que, Sask  
Records: Ransom and Hadwen 1918 (Alta); Swales 1933a (Sask), 1933b (Ont, Que); Slocombe and McCraw 1973 (Ont); Smith 1976a (NB), 1976b exp. (NB)

*Strongylus vulgaris* (Looss, 1900) Railliet and Henry, 1909

Syn.: *Delafondia vulgaris* (Looss, 1900) Skrjabin, 1933  
Site: cranial mesenteric arteries, central nervous system  
Host: *Equus caballus*  
Dist.: Alta, NB, Nfld, Ont, Que, Sask  
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933a (Sask); Little 1972 (Ont); Slocombe 1973a (Ont); Smith and Threlfall 1973 (Nfld); Smith 1976a (NB), 1976b (NB); Slocombe et al. 1987 (Ont)  
**Remarks:** Little (1972) presumed the larva he recovered from the central nervous system of the horse was *S. vulgaris*.

*Strongylus* spp.

Syn.: *Alfortia* spp.  
Site: unspecified  
Host: *Equus caballus*  
Dist.: NB, Ont  
Records: Slocombe 1973a (Ont); Smith 1976a (NB)

*Triodontophorus brevicauda* Boulenger, 1916

Site: unspecified  
Host: *Equus caballus*  
Dist.: Alta, Que, Sask  
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933b (Que)

*Triodontophorus minor* (Looss, 1900) Looss, 1902

Site: unspecified  
Host: *Equus caballus*  
Dist.: Nfld  
Record: Smith and Threlfall 1973

*Triodontophorus serratus* (Looss, 1900) Looss, 1902

Syn.: *Triodontophorus intermedius* Sweet, 1909  
Site: unspecified  
Host: *Equus caballus*  
Dist.: Alta, Nfld, Ont, Que, Sask  
Records: Ransom and Hadwen 1918 (Alta, Sask); Swales 1933a (Sask), 1933b (Ont, Que); Smith and Threlfall 1973 (Nfld)

*Triodontophorus tenuicollis* Boulenger, 1916

Site: unspecified  
Host: *Equus caballus*  
Dist.: Alta, Sask  
Record: Ransom and Hadwen 1918

*Triodontophorus* spp.

Site: unspecified  
Host: *Equus caballus*  
Dist.: NB, Ont  
Records: Slocombe 1973a (Ont); Smith 1976a (NB), 1976b (NB)

Unidentified Strongylidae

Site: unspecified  
Host: *Equus caballus*  
Dist.: NB, Ont, Que  
Records: Swales 1933b (Ont, Que); Slocombe and McCraw 1973 (Ont); Smith 1976a (NB), 1976b (NB); Slocombe and Cote 1984 (Ont); Slocombe et al. 1987 (Ont)

## FAMILY SYNGAMIDAE

*Cyathostoma* spp.

Site: [intestine]  
Host: *Equus caballus*  
Dist.: Nfld  
Record: Threlfall 1969

*Stephanurus dentatus* Dising, 1839

Site: kidney  
Host: *Sus scrofa*  
Dist.: Man, NS  
Records: Swales 1933b (Man); Smith and Hawkes 1978 (NS)



SUPERFAMILY TRICHOSTRONGYLOIDEA

FAMILY DICTYOCAULIDAE

*Dictyocaulus arnfieldi* (Cobbold, 1884) Railliet and Henry, 1907

Site: [lungs]  
Host: *Equus caballus*  
Dist.: Ont  
Records: Swales 1933b

*Dictyocaulus filaria* (Rudolphi, 1809) Railliet and Henry, 1907

Site: [lungs]  
Host: *Ovis aries*  
Dist.: Alta, Canada, Nfld, Ont, PEI, Que  
Records: Swales 1933b (Ont, PEI, Que); Fallis 1938 (Ont); Swales 1940a (Canada); O'Donoghue 1958 (Alta); Smith and Threlfall 1973 (Nfld); Ayalew et al. 1973b (Que); Ayalew et al. 1974 (Que)

*Dictyocaulus viviparus* (Bloch, 1782) Railliet and Henry, 1907

Site: lungs  
Host: *Bos taurus*  
Dist.: Alta, Nfld, Ont, Que  
Records: Swales 1933b (Ont, Que); Campbell and Wetherill 1957 (Ont); Graesser 1957 (Alta); O'Donoghue 1958 (Alta); Gupta and Gibbs 1969 (Que); Smith and Threlfall 1973 (Nfld); Gupta and Gibbs 1975 (Que); Bateman et al. 1986 (Ont)

*Dictyocaulus* spp.

Site: [lungs]  
Hosts: *Bos taurus* (1,2)  
*Equus caballus* (2)  
*Ovis aries* (2)  
Dist.: Ont  
Records: 1. McGregor and Kingscote 1957; 2. Slocombe 1973a

FAMILY HELIGMOSOMIDAE

*Citellinema bifurcatum* Hall, 1916

Syn.: *Warrenius bifurcatus* (Hall, 1916) Sleggs, 1925  
Site: unspecified  
Host: *Equus caballus*  
Dist.: Sask  
Record: Swales 1933a

FAMILY MOLINEIDAE

*Nematodirus abnormalis* May, 1920

Site: unspecified  
Host: *Ovis aries*  
Dist.: Nfld  
Record: Smith and Threlfall 1973

*Nematodirus battus* Crofton and Thomas, 1951

Site: [intestine]  
Host: *Ovis aries*  
Dist.: NS, PEI  
Record: Smith and Hines 1987

*Nematodirus filicollis* Rudolphi, 1802

Site: [intestine]  
Host: *Ovis aries*  
Dist.: Canada, NS, Ont, Que  
Records: Swales 1933b (Ont); Griffiths 1937 (Que); Fallis 1938 (Ont); Swales 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que)

*Nematodirus helvetianus* May, 1920

Site: [intestine]  
Hosts: *Bos taurus* (1,3,4,5,6,7)  
*Ovis aries* (2)  
Dist.: NB, Ont  
Records: 1. Campbell et al. 1960 (Ont); 2. Smith and Archibald 1968 (NB); 3. Smith and Archibald 1969 (NB); 4. Smith 1970 (NB), 5. 1973 (NB); 6. Slocombe 1974b (Ont); 7. Smith 1974 (NB)

*Nematodirus spathiger* (Railliet, 1896) Railliet and Henry, 1909

Site: intestine  
Hosts: *Equus caballus* (6)  
*Ovis aries* (1,2,3,4,5,7,8,9)  
Dist.: Canada, Nfld, NS, Ont, Que  
Records: 1. Swales 1933b (Ont); 2. Fallis 1938 (Ont); 3. Swales 1940a (Canada); 4. Swales and Choquette 1940 (Que); 5. Smith and Archibald 1965 (NS); 6. Webster and MacKay 1969 (Que); 7. Ayalew and Gibbs 1973 (Que); 8. Ayalew et al. 1973a (Que); 9. Smith and Threlfall 1973 (Nfld)

*Nematodirus* spp.

Site: unspecified  
Hosts: *Bos taurus* (3,4,6,8)  
*Ovis aries* (1,2,5,7)  
Dist.: Ont, Que, Sask  
Records: 1. Swales 1939 (Que); 2. Swales et al. 1942 (Ont); 3. McGregor and Kingscote 1957 (Ont); 4. Frechette and Gibbs 1971 (Que); 5. Ayalew et al. 1973 a (Que); 6. Slocombe 1973b (Ont); 7. Moteane et al. 1979 (Sask); 8. Polley and Bickis 1987 (Sask)

*Ollulanus tricuspis* Leuckart, 1865

Site: stomach  
Hosts: *Felis catus* (1,3,4)  
*Sus scrofa* (2)  
Dist.: Alta, Ont, Que  
Records: 1. Cameron 1940b (Que); 2. Stockdale and Lautenslager 1973 (Ont); 3. Caldwell 1984 (Ont); 4. Kennedy et al. 1984 (Alta)

FAMILY TRICHOSTRONGYLIDAE

*Cooperia curticei* (Railliet, 1893) Ransom, 1907

Site: [intestine]  
Host: *Ovis aries*  
Dist.: Canada, NS, Ont, Que

- Records: Swales 1933b (Ont); Fallis 1938 (Ont); Swales 1940a (Canada), 1940b (Que); Swales and Choquette 1940 (Que); Smith and Archibald 1965 (NS); Ayalew and Gibbs 1973 (Que)
- Cooperia mcmasteri*  
Site: [intestine]  
Host: *Bos taurus*  
Dist.: Ont  
Record: Slocombe 1974b
- Cooperia oncophora* (Railliet, 1898) Ransom, 1907  
Site: [intestine]  
Hosts: *Bos taurus* (5,6,7,9,10,11,12)  
*Ovis aries* (1,2,3,4,8)  
Dist.: Canada, NB, Nfld, NS, Ont  
Records: 1. Swales 1933b (Ont); 2. Fallis 1938 (Ont); 3. Swales 1940a (Canada); 4. Smith and Archibald 1965 (NS), 5. 1968 (NB); 6. Smith and Archibald 1969 (NB); 7. Smith 1970 (NB); 8. Ayalew and Gibbs 1973 (Que); 9. Smith 1973 (NB); 10. Smith and Threlfall 1973 (Nfld); 11. Slocombe 1974b (Ont); 12. Smith 1974 (NB)
- Cooperia punctata* (von Linstow, 1907) Ransom, 1907  
Site: [intestine]  
Host: *Bos taurus*  
Dist.: Ont  
Record: Swales 1933b
- Cooperia* spp.  
Site: [intestine]  
Hosts: *Bos taurus* (3,5,7)  
*Ovis aries* (1,2,4,6)  
Dist.: Alta, Ont, Que, Sask  
Records: 1. Swales 1939 (Que); 2. Swales et al. 1942 (Ont); 3. Frechette and Gibbs 1971 (Que); 4. Ayalew et al. 1973a (Que); 5. Slocombe 1973a (Ont); 6. Moteane et al. 1979 (Sask); 7. Stockdale and Harries 1979 (Alta)
- Haemonchus contortus* (Rudolphi, 1803) Cobb, 1898  
Site: intestine  
Hosts: *Bos taurus* (1,7,8)  
*Ovis aries* (1,2,3,4,5,6,9,10,11,12,13,14)  
Dist.: Canada, NS, Ont, Prairie Provinces, Que  
Records: 1. Swales 1933b (Ont, Que); 2. Griffiths 1937 (Que); 3. Fallis 1938 (Ont); 4. Swales 1940a (Canada), 5. 1940b (Que); 6. Swales and Choquette 1940 (Que); 7. Choquette 1945 (Ont, Prairie Provinces, Que); 8. Johnston and MacPherson 1956 (Ont); 9. Gibbs 1964 (Que); 10. Smith and Archibald 1965 (NS); 11. Blitz and Gibbs 1971 (Que); 12. Ayalew and Gibbs 1973 (Que); 13. Ayalew et al. 1973a (Que); 14. Slocombe 1973c (Ont)
- Haemonchus* spp.  
Site: [intestine]  
Hosts: *Bos taurus* (4,5,7)  
*Ovis aries* (1,2,3,4,6)  
Dist.: Alta, Ont, Que, Sask
- Records: 1. Swales 1933b (Ont), 2. 1939 (Que); 3. Swales et al. 1942 (Ont); 4. Slocombe 1973b (Ont), 5. 1974 (Ont); 6. Moteane et al. 1979 (Sask); 7. Stockdale and Harries 1979 (Alta)
- Hyostromgylus rubidus* (Hassall and Stiles, 1892) Hall, 1921  
Site: stomach  
Host: *Sus scrofa*  
Dist.: Ont, Que  
Records: 1. Swales 1933b (Ont); 2. Davenport and Stockdale 1967 (Ont); 3. Stockdale, Ashton et al. 1973 (Ont); 4. Stockdale and Lautenslager 1973 (Ont); 5. Martin et al. 1974 (Que)
- Hyostromgylus* spp.  
Site: [stomach]  
Host: *Sus scrofa*  
Dist.: Ont  
Record: Slocombe 1973a
- Ostertagia circumcincta* (Stadelmann, 1894) Ransom, 1907  
Site: [intestine]  
Hosts: *Bos taurus* (14)  
*Ovis aries* (1,2,3,4,5,6,7,8,9,10,11,12,13)  
Dist.: Canada, Maritimes, Nfld, NS, Ont, Que  
Records: 1. Swales 1933b (Ont); 2. Griffiths 1937 (Ont); 3. Fallis 1938 (Ont); 4. Swales 1939 (Que), 5. 1940a (Canada), 6. 1940b (Que); 7. Swales and Choquette 1940 (Que); 8. Swales et al. 1942 (Ont); 9. Smith and Archibald 1962 (Maritimes); 10. Smith and Archibald 1965 (NS); 11. Ayalew and Gibbs 1973 (Que); 12. Ayalew et al. 1973a (Que); 13. Swales and Threlfall 1973 (Nfld); 14. Slocombe 1974 (Ont)
- Ostertagia lyrata* Sjöberg, 1926  
Site: [intestine]  
Host: *Bos taurus*  
Dist.: Ont  
Record: Slocombe 1974a, 1974b
- Ostertagia ostertagi* (Stiles, 1892) Ransom, 1907  
Site: [intestine]  
Host: *Bos taurus*  
Dist.: NB, Ont, Que  
Records: Swales 1933b (Que); Johnston and MacPherson 1956 (Ont); Smith and Archibald 1968 (NB); 1969 (NB); Smith 1970 (NB); Smith and Perreault 1972 (NB); Smith 1973 (NB); Slocombe 1974a (Ont), 1974b (Ont); Smith 1974 (NB)
- Ostertagia trifurcata* Ransom, 1907  
Site: [intestine]  
Hosts: *Bos taurus* (3,5)  
*Ovis aries* (1,2,4)  
Dist.: Alta, Maritimes, NS, Ont, Que  
Records: 1. Smith and Archibald 1965 (NS); 2. Smith and Archibald 1962 (Maritimes); 3. Slocombe 1970 (Alta); 4. Ayalew and Gibbs 1973 (Que); 5. Slocombe 1974b (Ont)  
**Remarks:** In Slocombe (1970), the ox originated in Alberta and was slaughtered in Ontario.

*Ostertagia* spp.

Site: [intestine]

Hosts: *Bos taurus* (3,6,8)

*Ovis aries* (1,2,4,5,6,7)

Dist.: Alta, Ont, Que, Sask

Records: 1. Swales 1940b (Que); 2. Gibbs 1964

(Que); 3. Frechette and Gibbs 1971 (Que); 4.

Ayalew and Gibbs 1973 (Que); 5. Ayalew et al.

1973a (Que); 6. Slocombe 1973b (Ont); 7.

Moteane et al. 1979 (Sask); 8. Stockdale and

Harries 1979 (Alta)

*Teladorsagia davtiani* Andreeva and Satubaldin,  
1954

Site: [intestine]

Host: *Ovis aries*

Dist.: Maritimes, NS

Records: Smith and Archibald 1962

(Maritimes), 1965 (NS)

*Trichostrongylus axei* (Cobbold, 1879) Railliet and  
Henry, 1909

Syn.: *Trichostrongylus extenuatus* (Railliet,

1898) Ransom, 1907

Site: [intestine]

Hosts: *Bos taurus* (10,11,14,15)

*Ovis aries* (1,2,3,4,5,6,7,8,9,12,13,14)

Dist.: Canada, NB, NS, Ont, Que

Records: 1. Swales 1933b (Ont), 2. 1939 (Que);

3. Fallis 1938 (Ont); 4. Swales 1940a (Canada),

5. 1940b (Que); 6. Swales and Choquette 1940

(Que); 7. Swales et al. 1942 (Ont); 8. Gibbs 1964

(Que); 9. Smith and Archibald 1965 (NS); 10.

Smith 1970 (NB); 11. Frechette and Gibbs 1971

(Que); 12. Ayalew and Gibbs 1973 (Que); 13.

Ayalew et al. 1973a (Que); 14. Slocombe 1973a

(Ont), 15. 1974 (Ont)

*Trichostrongylus colubriformis* (Giles, 1892)  
Ransom, 1911

Site: [intestine]

Host: *Ovis aries*

Dist.: Canada, NS, Ont, Que

Records: Swales 1933a (Ont); Griffiths 1937

(Que); Fallis 1938 (Ont); Swales 1939 (Que),

1940a (Canada), 1940b (Que); Swales and

Choquette 1940 (Que); Smith and Archibald

1965 (NS); Ayalew and Gibbs 1973 (Que)

*Trichostrongylus vitrinus* Looss, 1905

Site: [intestine]

Host: *Ovis aries*

Dist.: Canada, NS, Ont, Que

Records: Swales 1933a (Ont); Fallis 1938 (Ont);

Swales 1939 (Que), 1940a (Canada); Swales

and Choquette 1940 (Que); Smith and

Archibald 1965 (NS); Ayalew and Gibbs 1973

(Que)

*Trichostrongylus* spp.

Site: [intestine]

Hosts: *Bos taurus* (6,8)

*Ovis aries* (1,2,3,4,5,6,7)

Dist.: Alta, Ont, Que, Sask

Records: 1. Griffiths 1937 (Que); 2. Swales 1939  
(Que); 3. Swales et al. 1942 (Ont); 4. Ayalew  
and Gibbs 1973 (Que); 5. Ayalew et al. 1973a  
(Que); 6. Slocombe 1973b (Ont); 7. Moteane et  
al. 1979 (Sask); 8. Stockdale and Harries 1979  
(Alta)

Unidentified Trichostrongyloidea (egg)

Site: [intestine]

Host: *Bos taurus*

Dist.: Ont

Record: McGregor and Kingscote 1957

Unidentified Nematoda

Site: unspecified

Hosts: *Bos taurus* (2,4)

*Canis familiaris* (3)

*Equus caballus* (1)

Dist.: Nfld, Que, Sask

Records: 1. Threlfall 1969 (Nfld); 2. Frechette

and Gibbs 1971 (Que); 3. Olson 1985 (Sask); 4.

Polley and Bickis 1987 (Sask)

## PHYLUM ACANTHOCEPHALA

### CLASS ARCHIACANTHOCEPHALA

#### ORDER OLIGACANTHORHYNCHIDA

#### FAMILY OLIGACANTHORHYNCHIDAE

*Macracanthorhynchus hirudinaceus* (Pallas, 1781)

Site: [intestine]

Host: *Sus scrofa*

Dist.: Ont

Record: Swales 1933b

### CLASS PALAEACANTHOCEPHALA

#### ORDER POLYMORPHIDA

#### FAMILY POLYMORPHIDAE

*Corynosoma semerme* (Forssell, 1904)

Site: [intestine]

Host: *Canis familiaris*

Dist.: NWT

Record: Cameron et al. 1940

## PHYLUM CHELICERATA

### CLASS ARACHNIDA

#### SUBCLASS ACARI

#### ORDER ACARIFORMES

#### SUBORDER ACARIDIDA

#### FAMILY PSOROPTIDAE

*Chorioptes bovis* (Hering, 1845) Gervais and Van  
Beneden, 1859

Site: unspecified

Hosts: *Bos taurus* (1,2,3)

*Equus caballus* (1)

Dist.: Alta, BC, Ont



Record: 1. Slocombe 1973a (Ont); 2. Lavigne and Smith 1983 (Alta, BC); 3. Kennedy and Kralka 1986 (Alta)  
**Remarks:** Slocombe (1973a) recorded the mite as *Chorioptes* spp.

*Otodectes cynotis* (Hering, 1838) Canestrini, 1894  
Site: ear  
Hosts: *Canis familiaris* (2)  
*Felis catus* (1,2,3)  
Dist.: BC, NB, Que  
Records: 1. Spencer 1940 (BC); 2. Sweatman 1958 (Que); 3. Malloy and Embil 1978 (NB)

*Otodectes cynotis canis* Sewell  
Host: *Canis familiaris*  
Dist.: BC  
Record: Spencer 1939

*Otodectes cynotis felis* Huber  
Host: *Felis catus*  
Dist: BC  
Record: Spencer 1939

*Psoroptes* spp.  
Site: unspecified  
Host: *Equus caballus*  
Dist.: Ont  
Record: Slocombe 1973a

#### FAMILY SARCOPTIDAE

*Notoedres* spp.  
Site: unspecified  
Host: *Canis familiaris*  
Dist.: Ont  
Record: Slocombe 1973a

*Sarcoptes scabiei* (Linnaeus, 1758)  
Site: unspecified  
Hosts: *Bos taurus* (2,3,5)  
*Canis familiaris* (2)  
*Felis catus* (1)  
*Sus scrofa* (2,4,6)  
Dist.: Alta, BC, NB, Ont, Que  
Record: 1. Tyrrell 1883 (unspecified); 2. Slocombe 1973a (Ont); 3. Lavigne and Smith 1983 (Alta, BC); 4. Martineau et al. 1984 (Que); 5. Kennedy and Kralka 1986 (Alta); 6. Smith 1986 (NB)

#### SUBORDER ACTINEDIDA

##### FAMILY CHEYLETIDAE

*Cheyletiella* spp.  
Site: unspecified  
Host: *Canis familiaris*  
Dist.: Ont, Sask  
Record: Slocombe 1973a (Ont); Olson 1985 (Sask)

#### FAMILY DEMODICIDAE

*Demodex bovis* Stiles, 1892  
Site: [skin]  
Host: *Bos taurus*  
Dist.: Alta, Ont  
Record: Smith 1961 (Ont); Kennedy and Kralka 1986 (Alta)

*Demodex phylloides* Croker  
Host: *Sus scrofa*  
Dist.: Ont  
Records: Jarvis 1910; MacNay 1952  
**Remarks:** MacNay (1952) felt his specimens were probably *D. phylloides*.

*Demodex* spp.  
Site: unspecified  
Hosts: *Bos taurus*  
*Canis familiaris*  
Dist.: Ont  
Record: Slocombe 1973a

#### FAMILY PSOREREGATIDAE

*Psorergates bos* Johnston, 1964  
Site: [skin]  
Host: *Bos taurus*  
Dist.: Alta, unspecified  
Records: Lavigne and Smith 1983 (unspecified); Kennedy and Kralka 1986 (Alta)

#### FAMILY TROMBICULIDAE

Unidentified Trombiculidae  
Site: unspecified  
Host: *Canis familiaris*  
Dist.: Ont  
Record: Slocombe 1973a

#### ORDER PARASITIFORMES

##### SUBORDER GAMASIDA

##### FAMILY DERMANYSSIDAE

*Pneumonyssus* spp.  
Site: Unspecified  
Host: *Canis familiaris*  
Dist.: Ont  
Record: Slocombe 1973a

##### SUBORDER IXODIDA

##### FAMILY ARGASIDAE

*Otobius lagophilus* Cooley and Kohls, 1940  
Site: unspecified  
Host: *Felis catus*  
Dist.: Alta  
Record: Brown 1944b

*Otobius megnini* (Duges, 1883) Banks, 1912  
Site: unspecified  
Hosts: *Bos taurus* (2, 3)  
*Felis catus* (1, 3)  
*Ovis aries* (2)  
Dist.: BC  
Record: 1. Gregson 1953; 2. MacNay 1957; 3. Rich 1957

*Otobius* spp.  
Site: unspecified  
Host: *Canis familiaris*  
Dist.: Ont  
Record: Slocombe 1973a

#### FAMILY IXODIDAE

*Dermacentor albipictus* (Packard, 1869) Banks, 1908  
Syn.: *Dermacentor erraticus* var. *albipictus* (Packard)  
Site: skin  
Hosts: *Bos taurus* (1,2,4,5,9)  
*Canis familiaris* (8)  
*Equus caballus* (1,2,3,4,5,6,7,8)  
Dist.: Alta, BC, NB, NS, Sask  
Records: 1. Hewitt 1915 (BC, NB); 2. Cameron and Fulton 1927 (Sask); 3. Hearle 1933 (BC), 4. 1938 (BC); 5. Bequaert 1945 (NB, NS); 6. Brown and Kohls 1950 (Alta); 7. MacNay 1952 (BC), 8. 1957 (Sask); 9. Wilkinson and Lawson 1965 (unspecified)

*Dermacentor andersoni* Stiles, 1905  
Syn.: *Dermacentor venustus* Banks, 1908  
Site: skin  
Hosts: *Bos taurus* (3,7,10,11,12,14,15,17,19,20)  
*Canis familiaris* (6,13,18)  
*Equus caballus* (2,6,7,13)  
*Felis catus* (13)  
*Ovis aries* (1,4,5,6,7,8,9,11,13)  
*Sus scrofa* (13)  
unspecified (12)  
Dist.: Alta, BC, Sask  
Records: 1. Hadwen 1913 (BC); 2. Hewitt 1915 (Alta, BC); 3. Hearle 1933 (BC); 4. Gregson 1935 (BC), 5. 1937 (BC); 6. Hearle 1938 (BC); 7. Holland 1940 (Alta); 8. Gregson 1947 (BC), 9. 1952 (BC); 10. MacNay 1952 (BC, Sask); 11. Weintraub 1952 (BC); 12. MacNay 1957 (BC); 13. Gregson 1958a (BC); 14. Gregson 1958c (BC); 15. Wilkinson and Lawson 1965 (Alta, BC); 16. Wilkinson 1968 (BC), 17. 1972 (Alta, BC, Sask); 18. Burt et al. 1979 (BC); 19. Wilkinson 1981 (Alta, BC), 20. 1982 (BC)

*Dermacentor variabilis* (Say, 1821) Banks, 1908  
Site: unspecified  
Host: *Canis familiaris* (1,2,3)  
collected by flagging (4)  
Dist.: Man, NS, Ont  
Records: 1. Bequaert 1945 (Ont); 2. MacNay 1952 (Man); 3. Judd 1953 (Ont); 4. Hall and McKiel 1961 (NS)

*Dermacentor* spp.  
Site: unspecified  
Hosts: *Felis catus*  
*Equus caballus*  
Dist.: Ont  
Record: Slocombe 1973a

*Haemaphysalis cinnabarina* Koch  
Host: *Bos taurus*  
Dist.: Man  
Record: Hewitt 1915

*Haemaphysalis leporis-palustris* (Packard)  
Host: *Felis catus*  
Dist.: BC  
Record: Hearle 1938

*Ixodes cookei* Packard, 1869  
Syn.: *Ixodes hexagonus cookei* Packard, 1869  
Hosts: *Bos taurus* (3)  
*Canis familiaris* (1,2,3,4)  
*Felis catus* (3,5)  
Dist.: BC, NB, Ont, Que  
Records: 1. Hewitt 1915 (Ont); 2. Hearle 1938 (BC); 3. Bequaert 1945 (NB, Ont, Que); 4. Cooley and Kohls 1945 (Ont); 5. Judd 1954 (Ont)

*Ixodes ricinus* Linnaeus  
Host: *Canis familiaris*  
Dist.: BC  
Records: Hewitt 1915; Hearle 1938

*Ixodes ricinus scapularis* Say  
Host: *Canis familiaris*  
Dist.: BC  
Record: Hearle 1938

*Ixodes* spp.  
Site: unspecified  
Hosts: *Canis familiaris*  
*Felis catus*  
Dist.: Ont  
Record: Slocombe 1973a

*Rhipicephalus sanguineus* (Latreille, 1806) Koch, 1844  
Site: unspecified  
Host: *Canis familiaris*  
Dist.: BC, NS, Ont  
Record: Bequaert 1945 (NS, Ont); MacNay 1957 (Ont); Spencer 1960 (BC); Wright 1979 (NS)

*Rhipicephalus* spp.  
Site: unspecified  
Host: *Canis familiaris*  
Dist.: Ont  
Record: Slocombe 1973a

# PHYLUM UNIRAMIA

## CLASS INSECTA

### ORDER DIPTERA

#### FAMILY CALLIPHORIDAE

##### *Calliphora* spp.

Host: unspecified  
Dist.: BC  
Record: MacNay 1952

##### *Lucilia illustris* Meigen, 1826

Site: unspecified  
Host: *Ovis aries*  
Dist.: Ont  
Record: Teskey 1960

##### *Lucilia sericata* (Meigen, 1826)

Syn.: *Phaenicia sericata* (Meigen, 1826)  
Host: *Ovis aries*  
Dist.: Nfld  
Record: MacNay 1957

##### *Phormia regina* Meigen, 1826

Site: unspecified  
Hosts: *Bos taurus* (1)  
*Ovis aries* (2)  
Dist.: BC, Ont  
Records: 1. Hearle 1933 (BC); 2. Teskey 1960 (Ont)

##### *Phormia terranova* Robineau-Desvoidy, 1830

Syn.: *Protophormia terranova* (Robineau-Desvoidy, 1830) Townsend, 1908  
Site: unspecified  
Host: *Ovis aries*  
Dist.: Ont  
Record: Teskey 1960

##### *Wohlfahrtia opaca* (Coquillett)

Site: unspecified  
Host: unspecified  
Dist.: BC  
Record: MacNay 1952

##### *Wohlfahrtia vigil* (Walker, 1949)

Site: unspecified  
Host: unspecified  
Dist.: BC  
Record: MacNay 1952

##### Unidentified Calliphoridae

Site: unspecified  
Host: *Felis catus*  
Dist.: Ont  
Record: Slocombe 1973a

#### FAMILY CUTEREBRIDAE

##### *Cuterebra* spp.

Site: unspecified  
Hosts: *Canis familiaris* (2)  
*Felis catus* (1,2)  
Dist.: Ont  
Records: 1. Scholten et al. 1962; 2. Slocombe 1973a

#### FAMILY GASTEROPHILIDAE

##### *Gasterophilus intestinalis* (De Geer, 1776) Leach, 1817

Site: mouth  
Host: *Equus caballus* (2,3,4,5)  
unspecified (1)  
Dist.: Alta, Ont, Sask  
Records: 1. MacNay 1952 (Sask); 2. Nelson 1952 (Alta); 3. Teskey 1960 (Ont); 4. Slocombe 1973a (Ont); 5. Slocombe et al. 1987 (Ont)

##### *Gasterophilus nasalis* (Linnaeus, 1758) Leach, 1817

Site: mouth  
Host: *Equus caballus*  
Dist.: Alta, Ont  
Records: Nelson 1952 (Alta); Teskey 1960 (Ont); Slocombe 1973a (Ont); Slocombe et al. 1987 (Ont)

##### *Gasterophilus* spp.

Host: *Equus caballus*  
Dist.: Man  
Record: MacNay 1952

#### FAMILY HIPPOBOSCIDAE

##### *Melophagus ovinus* (Linnaeus, 1758) Latreille, 1802

Site: skin  
Host: *Ovis aries*  
Dist.: BC, Ont, Sask  
Records: Spencer 1938 (BC), 1939 (BC); MacNay 1952 (BC); Teskey 1960 (Ont); Slocombe 1973a (Ont); Moteane et al. 1979 (Sask)

#### FAMILY OESTRIDAE

##### *Hypoderma bovis* (Linnaeus, 1758) Latreille, 1818

Site: subcutaneous tissues  
Host: *Bos taurus*  
Dist.: Alta, BC, Man, Ont, Que, Sask  
Records: Gregson 1958b (Alta, BC); Teskey 1960 (Ont); Murray 1967 (Man); Clermont and Ruppanner 1975 (Que); Khan 1981 (Alta); Galloway and Harlos 1982 (Man, Sask, Alta)

##### *Hypoderma lineatum* (Villers, 1789) Latreille, 1818

Site: subcutaneous tissues  
Host: *Bos taurus*  
Dist.: Alta, BC, Man  
Records: Gregson 1958b (Alta, BC); Murray 1967 (Man); Nelson and Weintraub 1972 (Alta); Khan 1981 (Alta)

##### *Hypoderma* spp.

Site: oesophagus, subcutaneous tissues  
Hosts: *Bos taurus* (2,3)  
*Equus caballus* (2)  
unspecified (1)  
Dist.: Alta, BC, Man, Ont, Sask  
Records: 1. MacNay 1957 (Alta, BC, Man, Ont); 2. Slocombe 1973a (Ont); 3. Blakley 1979 (Sask)



*Oestrus ovis* Linnaeus, 1761  
Site: unspecified  
Host: *Ovis aries*  
Dist.: Ont, Western Canada  
Records: Fallis 1940 (Ont, Western Canada);  
Teskey 1960 (Ont); Slocombe 1973a (Ont)

Unidentified Diptera  
Site: lung  
Host: *Ovis aries*  
Dist.: BC  
Record: MacNay 1952  
**Remarks:** One rat-tailed maggot found in the  
lung of a sheep (MacNay 1952).

## ORDER MALLOPHAGA

### SUBORDER ISCHNOCERA

*Damalinia bovis* (Linnaeus, 1758) Mjoberg, 1910  
Syn.: *Bovicola bovis*  
Site: unspecified  
Host: *Bos taurus*  
Dist.: Alta, BC, Man, NS, Ont, Que  
Record: Thompson 1934 (NS, Que);  
Whitehead 1934 (Que); Spencer 1939 (BC);  
MacNay 1952 (Man); Hopkins 1960 (BC);  
Teskey 1960 (Ont); Lavigne and Smith 1983  
(Alta, BC); Kennedy and Kralka 1986 (Alta)  
**Remarks:** Lyal (1987) classified this louse as  
*Bovicola bovis*.

*Damalinia caprae* (Gurlt, 1843)  
Syn.: *Bovicola caprae* (Gurlt, 1843)  
Host: *Capra hircus*  
Dist.: BC  
Record: Spencer 1939  
**Remarks:** According to Lyal (1987) this is  
*Bovicola caprae*.

*Damalinia equi* (Denny, 1842)  
Syn: *Trichodectes equi* (Linnaeus)  
Site: [skin]  
Host: *Equus caballus*  
Dist.: BC  
Record: Spencer 1939; Hopkins 1960  
**Remarks:** According to Lyal (1987) this is  
*Werneckiella equi*.

*Damalinia limbata* (Gervais, 1844) Mjoberg, 1910  
Site: unspecified  
Host: *Capra hircus*  
Dist.: Ont  
Record: Teskey 1960  
**Remarks:** According to Lyal (1987) this is  
*Bovicola limbatus*.

*Damalinia* spp.  
Site: unspecified  
Hosts: *Bos taurus*  
*Equus caballus*  
Dist.: Ont  
Record: Slocombe 1973a

*Felicola subrostratus* (Nitzsch, 1838)  
Site: [skin]  
Host: *Felis catus*  
Dist.: BC, Que  
Records: Whitehead 1934 (Que); Hopkins 1960  
(BC)

*Trichodectes canis* (de Geer, 1778)  
Site: [skin]  
Host: *Canis familiaris*  
Dist.: BC  
Records: Spencer 1939; Hopkins 1960

*Trichodectes* spp.  
Site: unspecified  
Host: *Canis familiaris*  
Dist.: Ont  
Record: Slocombe 1973a

## ORDER SIPHONAPTERA

### FAMILY CERATOPHYLLIDAE

*Monopsyllus vison* (Baker, 1904)  
Site: [skin]  
Host: *Felis catus*  
Dist.: Sask  
Record: Holland 1984

### FAMILY HYSTRICHOPSYLLIDAE

*Tamiophila grandis* (Rothschild, 1902)  
Site: [skin]  
Host: *Canis familiaris*  
Dist.: NB  
Record: Brown 1968

### FAMILY PULICIDAE

*Ctenocephalides canis* (Curtis, 1826)  
Hosts: *Canis familiaris* (1,2,3,4,5,6)  
*Felis catus* (3,4)  
Dist.: Alta, BC, NB, Ont  
Records: 1. Harvey 1907 (BC); 2. Spencer 1936  
(BC), 3. 1939 (BC); 4. Brown 1944a (Alta); 5.  
Brown 1955 (NB); 6. Holland 1984 (BC, Ont)

*Ctenocephalides felis* (Bouche, 1835)  
Hosts: *Canis familiaris* (2,3)  
*Felis catus* (1,2,3)  
Dist.: BC, NS  
Records: 1. Spencer 1936 (BC), 2. 1939 (BC); 3.  
Wright 1979 (NS)

*Ctenocephalides felis felis* (Bouche, 1835)  
Site: unspecified  
Hosts: *Canis familiaris* (2,3,4)  
*Felis catus* (1,2,3,4)  
Dist.: Alta, BC, Man, Nfld, NB, NS, Ont, Que,  
Sask  
Records: 1. Brown 1944a (Alta); 2. Brown 1955  
(NB, NS); 3. Buckner 1964 (Man); 4. Holland  
1984 (BC, Man, Nfld, NS, Ont, Que, Sask)

*Ctenocephalides* spp.

Site: unspecified

Hosts: *Felis catus* (3)

unspecified (1,2)

Dist.: Canada, Ont, PEI

Records: 1. MacNay 1952 (Ont, PEI), 2. 1957 (Canada); 3. Slocombe 1973a (Ont)

**Remarks:** MacNay (1957) referred to *Ctenocephalides* spp. as infesting household pets from coast to coast.

ORDER SIPHUNCULATA

FAMILY HAEMATOPINIDAE

*Haematopinus asini* (Linnaeus, 1775)

Host: *Equus caballus*

Dist.: BC, Que

Records: Whitehead 1934 (Que); Spencer 1939 (BC), 1966 (BC)

*Haematopinus eurysternus* (Nitzsch, 1818)

Site: unspecified

Host: *Bos taurus*

Dist.: Alta, BC, NS, Ont, Que

Records: Thompson 1934 (NS, Que); Whitehead 1934 (Que); Spencer 1939 (BC); Teskey 1960 (Ont); Spencer 1966 (BC); Lavigne and Smith 1983 (Alta, BC); Khan and Schaalje 1985 (Alta)

*Haematopinus suis* (Linnaeus, 1758) Leach, 1815

Site: unspecified

Host: *Sus scrofa*

Dist.: BC, Ont, Que

Records: Whitehead 1934 (Que); Spencer 1939 (BC); Rich 1952 (BC); Teskey 1960 (Ont); Spencer 1966 (BC); Wright 1979 (Que)

*Haematopinus* spp.

Site: unspecified

Hosts: *Bos taurus*

*Equus caballus*

*Sus scrofa*

Dist.: Ont

Record: Slocombe 1973a

FAMILY LINOGNATHIDAE

*Linognathus pedalis* (Osborn, 1896)

Site: [skin]

Host: *Ovis aries*

Dist.: BC

Record: Spencer 1939

*Linognathus setosus* (Olfers, 1816)

Syn.: *Linognathus piliferus* (Burmeister)

Site: [skin]

Host: *Canis familiaris*

Dist.: BC, Man, Ont, Que

Records: Whitehead 1934 (Que); Spencer 1939 (BC); MacNay 1952 (Man, Ont); Judd 1953 (Ont)

*Linognathus stenopsis* (Burmeister, 1839) Enderlein, 1905

Site: unspecified

Host: *Capra hircus*

Dist.: Ont

Record: Teskey 1960

*Linognathus vituli* (Linnaeus, 1758) Enderlein, 1905

Site: unspecified

Host: *Bos taurus*

Dist.: Alta, BC, Ont, Que

Records: Whitehead 1934 (Que); Teskey 1960 (Ont); Lavigne and Smith 1983 (Alta, BC); Kennedy and Kralka 1986 (Alta)

*Linognathus* spp.

Site: unspecified

Host: *Bos taurus*

*Canis familiaris*

Dist.: Ont

Record: Slocombe 1973a

*Solenopotes capillatus* Enderlein, 1904

Site: unspecified

Host: *Bos taurus*

Dist.: Alta, Ont

Records: Teskey 1960 (Ont); Kennedy and Kralka 1986 (Alta)

Unidentified lice

Site: [skin]

Host: *Bos taurus*

Dist.: BC, Man

Record: MacNay 1957

## **HOST-PARASITE LIST**





CLASS MAMMALIA  
INFRACLASS EUTHERIA  
ORDER ARTIODACTYLA

FAMILY BOVIDAE

*Bos taurus* Ox

PROTOZOA

*Coccidia* gen. sp. (Ont)  
*Cryptosporidium* spp. (Man, Ont)  
*Eimeria alabamanensis* (Alta, Ont)  
*E. arloingi* (Ont)  
*E. aubernensis* (Alta, Ont)  
*E. bovis* (Alta, Ont)  
*E. bukidnonensis* (Ont)  
*E. canadensis* (Alta, Ont)  
*E. cylindrica* (Alta, Ont)  
*E. ellipsodalis* (Alta, Ont)  
*E. illinoisensis* (Alta)  
*E. wyomingensis* (Alta, Ont)  
*E. zuernii* (Alta, Ont)  
*Eimeria* sp. (Alta)  
*Giardia* spp. (Sask)  
*Sarcocystis cruzi* (Sask)  
*Sarcocystis hirsuta* (Sask)  
*Sarcocystis* (Ont, Sask)  
*Trichomonas* spp. (Ont)  
*Toxoplasma gondii* (Ont)  
*Toxoplasma* spp. (Que)  
*Trypanosoma rutherfordi* (BC)  
*T. theileri* (Ont)  
*T. uniforme* (Ont)  
*Trypanosoma* spp. (BC)

TREMATODA

*Calicophoron microbothrioides* (Que)  
*Dicrocoelium dendriticum* (BC, Nfld)  
*Fasciola hepatica* (Que)  
*Fascioloides magna* (Alta, Ont)  
*Paramphistomum liorchis* (Que)  
*Paramphistomum* spp. (Alta, Ont)

CESTOIDEA

*Moniezia benedeni* egg (NB, Que)  
*M. expansa* (Que)  
*Moniezia* spp. (Ont, Que)  
*Taenia hydatigena* (Ont, Que)  
*Taeniaryncus saginatus* (Ont, Sask)

NEMATODA

*Ascaris lumbricoides* larva (Ont)  
*Ascaris suum* (Ont)  
*Bunostomum phlebotomum* (Que)  
*B. trigonocephalum* (Ont, Que)  
*Bunostomum* spp. (Ont, Que)  
*Capillaria* spp. (Ont, Que)  
*Cooperia mcmasteri* (Ont)  
*Cooperia oncophora* (NB, Nfld)

*C. punctata* (Ont)  
*Cooperia* spp. (Alta, Ont, Que)  
*Dictyocaulus viviparus* (Alta, Nfld, Ont, Que)  
*Dictyocaulus* spp. (Ont)  
*Haemonchus contortus* (Ont, Prairie Provinces, Que)  
*Haemonchus* spp. (Alta, Ont)  
*Nematoda* gen. sp. (Que)  
*Nematodirus helvetianus* (NB, Ont)  
*Nematodirus* spp. (Ont, Que)  
*Oesophagostomum radiatum* (NB, Nfld, Ont, Que)  
*Oesophagostomum* spp. (Ont, Que)  
*Onchocerca gutturosa* (Ont, Que)  
*O. lienalis* (Ont, Que)  
*Onchocerca* spp. (Man, Sask)  
*Ostertagia circumcincta* (Ont)  
*O. lyrata* (Ont)  
*O. ostertagi* (NB, Ont, Que)  
*O. trifurcata* (Alta, Ont)  
*Ostertagia* spp. (Alta, Ont, Que)  
*Parafilaria bovicola* (Alta, Que)  
*Setaria labiatopapillosa* (Alta, Man, Ont, Que)  
*Stephanofilaria stilesi* (Alta)  
*Strongyloidea* gen. sp. (Ont)  
*Strongyloides papillosus* (Que)  
*Strongyloides* spp. (Ont)  
*Thelazia gulosa* (Ont)  
*T. lacrymalis* (Ont)  
*T. skrjabini* (Alta)  
*Thelazia* spp. (Que)  
*Trichostrongyloidea* gen. sp. egg (Ont)  
*Trichostrongylus axei* (NB, Ont, Que)  
*Trichostrongylus* spp. (Alta, Ont)  
*Trichuridae* gen. sp. (Ont)  
*Trichuris discolor* (Ont, NB, Que)  
*Trichuris ovis* (NB, Que)  
*Trichuris* spp. (Alta, NB, NWT, Ont, Sask)  
*Trichuris* spp. egg (NB, Ont)  
Unidentified Nematoda (Que, Sask)  
Unidentified Rhabditoidea (Ont)

CHELICERATA

ACARI

*Chorioptes bovis* (Alta, BC, Ont)  
*Demodex bovis* (Alta, Ont)  
*Demodex* spp. (Ont)  
*Dermacentor andersoni* (Alta, BC, Sask)  
*D. albipictus* (BC, NB, NS, Sask)  
*Haemaphysalis cinnabarina* (Man)  
*Ixodes cookei* (NB, Ont, Que)  
*Otobius megnini* (BC)  
*Psorergates bos* (Alta)  
*Sarcoptes scabiei* (Alta, BC, Ont)

UNIRAMIA

DIPTERA

*Hypoderma bovis* larva (Alta, BC, Man, Ont, Que, Sask)

*H. lineatum* (Alta, BC, Man)  
*Hypoderma* spp. (Ont, Sask)  
*Phormia regina* (BC)

#### MALLOPHAGA

*Damalinia bovis* (Alta, BC, Man, NS, Ont, Que)  
*Damalinia* spp. (Ont)

#### SIPHUNCULATA

*Haematopinus eurytjernus* (Alta, BC, NS, Ont, Que)  
*Haematopinus* spp. (Ont)  
Lice (unidentified) (BC, Man)  
*Linognathus vituli* (Alta, BC, Ont, Que)  
*Linognathus* spp. (Ont)  
*Solenopotes capillatus* (Alta, Ont)

*Capra hircus* Domestic Goat

#### PROTOZOA

*Toxoplasma gondii* (Ont)

#### NEMATODA

*Muellerius capillaris* (Ont)  
*Muellerius* spp. (Ont)

#### UNIRAMIA

##### MALLOPHAGA

*Damalinia caprae* (BC)  
*D. limbata* (Ont)

##### SIPHUNCULATA

*Linognathus stenopsis* (Ont)

*Ovis aries* Domestic Sheep

#### PROTOZOA

*Coccidia* gen. sp. (Que, Sask)  
*Eimeria ahsata* (Alta, Sask)  
*E. arloingi* (Alta, Ont)  
*E. crandallis* (Alta)  
*E. faurei* (Alta)  
*E. granulosa* (Alta)  
*E. intricata* (Alta)  
*E. ninakohlyakimovae* (Alta, Ont, Sask)  
*E. ovina* (Sask)  
*E. pallida* (Alta)  
*E. parva* (Alta, Ont, Sask)  
*E. punctata* (Alta)  
*Eimeria* spp. (Que)  
*Sarcocystis* spp. (Sask)  
*Toxoplasma gondii* (Ont)  
*Toxoplasma* spp. (Ont, Que)

#### TREMATODA

*Dicrocoelium dendriticum* (NS, Que)  
*Fasciola hepatica* (Canada, BC, NB, Que)

#### CESTOIDEA

*Moniezia expansa* (Canada, Nfld, NS, Ont, Que)

*Moniezia* spp. (Nfld, Sask)  
*Taenia hydatigena* cysticercus (Alta, Canada, Ont, Que, Sask)  
*T. ovis* (Canada, Man, NS)  
*Thysanosoma actinioides* (Alta, BC, Canada, Sask)  
*Thysanosoma* spp. (Ont, Sask)

#### NEMATODA

*Ascaris suum* (Que)  
*Ascaris* spp. (Canada, Ont)  
*Bunostomum trigonocephalum* (Canada, Nfld, NS, Ont, Que)  
*Bunostomum* spp. (Que, Sask)  
*Capillaria longipes* (Canada, Que)  
*Capillaria* spp. (NS, Ont, Que)  
*Chabertia ovina* (Canada, NS, Ont, Que)  
*Chabertia* spp. (Ont, Sask)  
*Cooperia curticei* (Canada, NS, Ont, Que)  
*C. oncophora* (Canada, NS, Ont, Que)  
*Cooperia* spp. (Ont, Que, Sask)  
*Dictyocaulus filaria* (Alta, Canada, Nfld, Ont, PEI, Que)  
*Dictyocaulus* spp. (Ont)  
*Gongylonema pulchrum* (Canada, Ont)  
*Haemonchus contortus* (Canada, NS, Ont, Que)  
*Haemonchus* spp. (Ont, Que, Sask)  
*Muellerius capillaris* (Canada, Ont)  
*Muellerius* spp. (Ont)  
*Nematodirus abnormalis* (Nfld)  
*N. battus* (NS, PEI)  
*N. filicollis* (Canada, NS, Ont, Que)  
*N. helveticus* (NB, Ont)  
*N. spathiger* (Canada, Nfld, NS, Ont, Que)  
*Nematodirus* spp. (Ont, Que, Sask)  
*Oesophagostomum columbianum* (Canada, NS, Ont, Que)  
*O. venulosum* (Canada, Nfld, NS, Ont, Que)  
*Oesophagostomum* spp. (Nfld, Ont, Que)  
*Ostertagia circumcincta* (Canada, Maritimes, Nfld, NS, Ont, Que)  
*O. trifurcata* (Maritimes, NS, Que)  
*Ostertagia* spp. (Ont, Que, Sask)  
*Parelaphostrongylus tenuis* (Ont)  
*Protostrongylus* spp. (Ont)  
*Skrjabinema* spp. (Sask)  
*Strongyloides papillosus* (Canada, NS, Ont, Que)  
*Strongyloides* spp. (Ont, Que, Sask)  
*Teladorsagia davtiani* (Maritimes, NS)  
*Trichostrongylus axei* (Canada, NS, Ont, Que)  
*T. colubriformis* (Canada, NS, Ont, Que)  
*T. vitrimus* (Canada, NS, Ont, Que)  
*Trichostrongylus* spp. (Ont, Que, Sask)  
*Trichuris ovis* (Canada, Nfld, NB, NS, Ont, Que)



*Trichuris* spp. (Alta, NWT, Ont, Sask)

## CHELICERATA

### ACARINA

*Dermacentor andersoni* (Alta, BC)

*Otobius megnini* (BC)

### UNIRAMIA

#### DIPTERA

*Lucilia illustris* (Ont)

*L. sericata* (Nfld)

*Melophagus ovinus* (BC, Ont, Sask)

*Oestrus ovis* (Ont, Western Canada)

*Phormia regina* (Ont)

*P. terranova* (Ont)

Unidentified Diptera (BC)

### SIPHUNCULATA

*Linognathus pedalis* (BC)

#### FAMILY SUIDAE

*Sus scrofa* Domestic Pig

### PROTOZOA

*Balantidium* spp. (Ont)

*Cryptosporidium* spp. (Ont)

*Eimeria dublieki* (Ont, Que)

*Isospora suis* (Ont, Que)

*Toxoplasma gondii* (Ont)

*Toxoplasma* spp. (Ont)

*Trichomonas* spp. (Ont)

Unidentified Eucoccidiida (Que)

### TREMATODA

*Paragonimus* spp. (Ont)

### CESTOIDEA

*Echinococcus granulosus* hydatid cyst (Ont)

*Echinococcus* spp. hydatid (Ont)

*Multiceps* spp. (Ont)

*Taenia hydatigena* (Que)

*T. solium* (Man, Ont, Sask)

### NEMATODA

*Ascaris lumbricoides* larva (All Provinces, Ont)

*A. suum* (Nfld, Que, Sask)

*Ascaris* spp. (Ont)

*Ascarops* spp. (Ont)

*Hyostrongylus rubidus* (Ont, Que)

*Hyostrongylus* spp. (Ont)

*Metastrongylus apri* (NB)

*M. pudendotectus* (Ont)

*M. salmi* (NS, Ont, PEI, Que)

*Metastrongylus* spp. (Ont)

*Oesophagostomum dentatum* (NB, Ont, Que)

*O. quadrispinulatum* (NB)

*Oesophagostomum* spp. (NB, Ont, Que)

*Ollulanus tricuspis* (Ont)

*Physocephalus* spp. (Ont)

*Stephanurus dentatus* (Man, NS)

*Strongyloides ransomi* (NB)

*Strongyloides* spp. (Ont)

*Trichinella spiralis* cyst/larva (BC, Man, NB, NS, Ont, PEI, Que)

*T.s. spiralis* (NS)

*Trichinella* spp. (NB)

*Trichuris suis* (NB, Ont, Que)

*Trichuris* spp. (Ont)

### ACANTHOCEPHALA

*Macracanthorhynchus hirudinaceus* (Ont)

### CHELICERATA

#### ACARI

*Demodex phylloides* (Ont)

*Dermacentor andersoni* (BC)

*Sarcoptes scabiei* (NB, Ont, Que)

### UNIRAMIA

#### SIPHUNCULATA

*Haematopinus suis* (BC, Ont, Que)

*Haematopinus* spp. (Ont)

### ORDER CARNIVORA

#### FAMILY CANIDAE

*Canis familiaris* Domestic Dog

### PROTOZOA

*Eimeria canis* (Ont, Que)

*Endolimax nana* (Sask)

*Entamoeba blattae* (Que)

*E. coli* (Que, Sask)

*E. histolytica* (Que, Sask)

*Giardia canis* (Que, Sask)

*Giardia* spp. (Alta, NS, Ont)

*Isospora bigemina* (Que, Sask)

*I. canis* (Sask)

*I. felis* (Ont, Que)

*I. ohioensis* (Sask)

*I. rivolta* (Ont, Que)

*I. wallacei* (Sask)

*Isospora* spp. (Alta, NB, NWT, Que, Sask)

*Toxoplasma gondii* (Ont, Que)

*Toxoplasma* spp. (Ont)

*Trichomonas* spp. (Ont)

### TREMATODA

*Alaria arisaemoides* (Sask)

*A. canis* (Ont)

*Alaria* spp. (Alta, NWT, Ont, Que, Sask)

*Cryptocotyle lingua* (Nfld, Que)

*Metorchis conjunctus* (Alta, Man, NWT, Ont, Que, Sask)

*Metorchis* spp. (Sask)

*Nanophyetus salmincola* (BC)

*Paragonimus kellicotti* (Ont)

*Paragonimus* spp. (Ont)

*Parametorchis complexus* (Man)

Unidentified Trematoda (Man, NWT, Que)

## CESTOIDEA

- Diphyllobothrium latum* (Alta, Nfld, NWT, Que, Sask)
- Diphyllobothrium* spp. (Alta, Man, Nfld, NWT, Ont, Que, Sask)
- Dipylidium caninum* (NB, Nfld, NWT, Ont)
- Dipylidium* spp. (Ont, Sask)
- Echinococcus granulosus* (Ont, Que)
- Mesocestoides* spp. (Ont)
- Taenia crassiceps* (Ont)
- T. elliptica* (Que)
- T. hydatigena* (Nfld, Que)
- T. pisiformis* (Alta, Nfld, NWT, Ont, Que)
- T. serialis* (Alta, NWT)
- Taenia* spp. (BC, Man, NWT, Ont, Que, Sask)
- Taenia*/*Echinococcus* spp. (egg) (Alta, NWT, Sask)
- Unidentified Cestoidea (Man, Que)

## NEMATODA

- Ancylostomatidae* gen. sp. (Alta, NB, NWT, Que, Sask)
- Ancylostomum caninum* (Alta, Ont, Que)
- Ancylostomum* spp. (Ont, Sask)
- Ascaris* spp. (Que)
- Capillaria aerophila* (Que)
- Capillaria* spp. (Ont)
- Crenosoma vulpis* (Nfld)
- Diectophyma renale* (Man, NWT, Ont, Que)
- Dipetalonema* spp. (Ont)
- Dirofilaria immitis* (Alta, Ont, Sask)
- Dirofilaria* spp. (Ont)
- Dracunculus insignis* (Que)
- Filaroides milksi* (BC)
- Filaroides* spp. (Ont)
- Oslerus osleri* (Que)
- Pelodera strongyloides* (Ont)
- Physaloptera rara* (Que)
- Spirocerca* spp. (Ont)
- Strongyloides stercoralis* (Que)
- Strongyloides* spp. (Ont)
- Toxascaris leonina* (Alta, Man, NB, Nfld, NS, NWT, Ont, Que, Sask)
- Toxascaris* spp. (Ont, Sask)
- Toxocara canis* (Alta, Man, NB, Nfld, NS, NWT, Ont, Que, Sask)
- Toxocara* spp. (Ont, Sask)
- Trichuris vulpis* (Nfld, Ont, Que)
- Trichuris* spp. (Alta, NWT, Ont, Sask)
- Trichuris* spp. egg (NB, Que, Sask)
- Uncinaria stenocephala* (Alta, BC, Man, Nfld, NWT, Ont, Que)
- Uncinaria* spp. (Ont, Sask)
- Unidentified Nematoda (Sask)
- Unidentified Rhabditoidea (Ont)

## ACANTHOCEPHALA

- Corynosoma semerme* (NWT)

## CHELICERATA

### ACARI

- Cheyletiella* spp. (Ont, Sask)
- Demodex* spp. (Ont)
- Dermacentor albipictus* (Sask)
- D. andersoni* (BC)
- D. variabilis* (Man, Ont)
- Ixodes cookei* (BC, NB, Ont, Que)
- I. ricinus* (BC)
- I. ricinus* var. *scapularis* (BC)
- Ixodes* spp. (Ont)
- Notoedres* spp. (Ont)
- Otobius* spp. (Ont)
- Otodectes cynotis* (Que)
- O. cynotis* var. *canis* (BC)
- Pneumonyssus* spp. (Ont)
- Rhipicephalus sanguineus* (BC, NS, Ont)
- Rhipicephalus* spp. (Ont)
- Sarcoptes scabiei* (Ont)
- Trombiculidae gen. sp. (Ont)

### UNIRAMIA

#### DIPTERA

- Cuterebra* spp. (Ont)

#### MALLOPHAGA

- Trichodectes canis* (BC)
- Trichodectes* spp. (Ont)

### SIPHONAPTERA

- Ctenocephalides canis* (Alta, BC, NB, Ont)
- C. felis* (BC, NS)
- C.f. felis* (BC, Man, NB, Nfld, NS, Ont, Que, Sask)
- Ctenocephalides felis felis* (BC, Man, NB, Nfld, NS, Ont, Que, Sask)
- Tamiophila grandis* (NB)

### SIPHUNCULATA

- Linognathus setosus* (BC, Man, Ont, Que)
- Linognathus* spp. (Ont)

### FAMILY FELIDAE

- Felis catus* Domestic Cat

### PROTOZOA

- Isopora felis* (Ont)
- I. rivolta* (Ont)
- Isopora* spp. (NB)
- Toxoplasma gondii* (Ont, Sask)
- Toxoplasma* spp. (Ont, Que)

### TREMATODA

- Metorchis conjunctus* (Ont, Que)
- Paragonimus kellicotti* (Ont)
- Parametorchis complexus* (Alta)
- Plagiorchis massino* (Nfld)

## CESTOIDEA

*Diphyllobothrium dendriticum* (Nfld)  
*Diphyllobothrium* spp. (Ont)  
*Dipylidium caninum* (Nfld, Ont)  
*Dipylidium* spp. (Ont)  
*Echinococcus multilocularis* (Sask)  
*Taenia taeniaeformis* (Nfld, Que)  
*Taenia* spp. (Ont)

## NEMATODA

*Aelurostrongylus* spp. (Ont)  
*Ancylostomum* spp. (Ont)  
*Capillaria aerophila* (Ont)  
*Capillaria hepatica* (NB)  
*Capillaria* spp. (Ont)  
*Dirofilaria immitis* (Ont)  
*Ollulanus tricuspis* (Alta, Ont, Que)  
Rhabditoidea gen. sp. (Ont)  
*Strongyloides* spp. (Ont)  
*Toxascaris leonina* (NB, Nfld)  
*Toxascaris* spp. (Ont)  
*Toxascaris cati* (NB, Nfld, NS, Que)  
*Toxocara* spp. (Ont)

## CHELICERATA

### ACARI

*Dermacentor andersoni* (BC)  
*Dermacentor* spp. (Ont)  
*Haemophysalis leporis-palustris* (BC)  
*Ixodes cookei* (NB, Ont, Que)  
*Ixodes* spp. (Ont)  
*Otobius lagophilus* (Alta)  
*O. megnini* (BC)  
*Otodectes cynotis* (BC, NB, Que)  
*O. cynotis* var. *felis* (BC)  
*Sarcoptes scabiei* (unspecified)

## UNIRAMIA

### DIPTERA

Calliphoridae gen. sp. (Ont)  
*Cuterebra* spp. (Ont)

### MALLOPHAGA

*Felicola subrostratus* (BC, Que)

## SIPHONAPTERA

*Ctenocephalides canis* (Alta, BC)  
*C. felis* (BC, NS)  
*C. f. felis* (Alta, BC, Man, Nfld, NB, NS, Ont, Que, Sask)  
*Ctenocephalides* spp. (Ont)  
*Monopsyllus vison* (Sask)

## ORDER PERISSODACTYLA

### FAMILY EQUIDAE

*Equus caballus* Domestic Horse

## PROTOZOA

*Cryptosporidium* spp. (Sask)

*Eimeria crandallis* (Ont)  
*E. granulosa* (Ont)  
*E. intricata* (Ont)  
*E. leuckarti* (Ont)  
*Klossiella equi* (NB)  
*Sarcocystis* spp. (Ont)  
*Toxoplasma gondii* (Ont)  
*Toxoplasma* spp. (Ont, Sask)  
*Trichomonas* spp. (Ont)  
*Trypanosoma equiperdum* (Alta)

## CESTOIDEA

*Anoplocephala magna* (Ont, Que)  
*A. perfoliata* (Nfld, Ont)  
*Anoplocephala* spp. (Ont)  
*Paranoplocephala mamillana* (BC, Que, Sask)

## NEMATODA

*Capillaria hepatica* (Alta)  
*Citellinema bifurcatum* (Sask)  
*Cyathostoma* spp. (Nfld)  
*Cyathostomum catinatum* (Alta, Nfld, Sask)  
*C. coronatum* (Sask)  
*C. labiatum* (Alta, Sask)  
*C. labratum* (Alta, Sask)  
*Cylicocyclus elongatus* (Nfld, Sask)  
*C. insigne* (Alta)  
*C. nassatus* (Alta, Nfld, Sask)  
*C. radiatus* (Alta, Sask)  
*Cylicodontophorus bicornatus* (Alta, Sask)  
*Cylicostephanus calicatus* (Alta, Sask)  
*C. goldi* (Alta, Sask)  
*C. poculatus* (Alta, Nfld, Sask)  
*Dictyocaulus arnfieldi* (Ont)  
*Dictyocaulus* spp. (Ont)  
*Gyalocephalus capitatus* (Alta, NB, Ont, Sask)  
*Gyalocephalus* spp. (NB)  
*Habronema majus* (Ont)  
*H. muscae* (Ont)  
*Habronema* spp. (Ont)  
Nematoda gen. sp. (Nfld)  
*Nematodirus spathiger* (Que)  
*Oesophagodontus robustus* (Alta, Nfld, Ont, Que, Sask)  
*Oesophagodontus* spp. (NB)  
*Onchocerca cervicalis* (BC, Que)  
*Onchocerca* sp. (Alta, BC, Man, Sask)  
*Oxyuris equi* (NB, Nfld, Ont, Que)  
*Oxyuris* spp. (Ont)  
*Parascaris equorum* (NB, Nfld, Ont, Que)  
*Parascaris* spp. (Ont)  
*Poteriostomum* spp. (NB)  
*Probstmayria vivipara* (NB, Que)  
*Setaria equina* (Ont, Que)  
*Setaria* spp. (Ont)  
Strongyles gen. sp. (NB, Ont, Que)  
*Strongyloides* spp. (Ont)  
*Strongylus edentatus* (Alta, NB, Nfld, Ont, Que, Sask)



*S. equinus* (Alta, NB, Ont, Que, Sask)  
*S. vulgaris* (Alta, NB, Nfld, Ont, Que, Sask)  
*Strongylus* spp. (NB, Ont)  
*Thelazia lacrymalis* (Ont, Que)  
*Thelazia* spp. (Ont)  
*Triodontophorus brevicauda* (Alta, Que, Sask)  
*T. minor* (Nfld)  
*T. serratus* (Alta, Nfld, Ont, Que, Sask)  
*T. tenuicollis* (Alta, Sask)  
*Triodontophorus* spp. (NB, Ont)  
Unidentified Nematoda (Nfld)

#### CHELICERATA

##### ACARI

*Chorioptes* spp. (Ont)  
*Dermacentor albipictus* (Alta, BC, NB, NS, Sask)  
*D. andersoni* (Alta, BC)  
*Dermacentor* spp. (Ont)  
*Psoroptes* spp. (Ont)

#### UNIRAMIA

##### DIPTERA

*Gasterophilus intestinalis* (Alta, Ont)  
*G. nasalis* (Alta, Ont)  
*Gasterophilus* spp. (Man)  
*Hypoderma* spp. (Ont)

##### MALLOPHAGA

*Damalinia equi* (BC)  
*Damalinia* spp. (Ont)

##### SIPHUNCULATA

*Haematopinus asini* (BC, Que)  
*Haematopinus* spp. (Ont)

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## Host Index

Artiodactyla	31	Felidae	34
<i>Bos taurus</i>	31	<i>Felis catus</i>	34
Bovidae	31	Goat	32
Canidae	33	Horse	35
<i>Canis familiaris</i>	33	Mammalia	31
<i>Capra hircus</i>	32	<i>Ovis aries</i>	32
Carnivora	33	Ox	31
Cat	34	Perissodactyla	35
Dog	33	Pig	33
Equidae	35	Sheep	32
<i>Equus caballus</i>	35	Suidae	33
Eutheria	31	<i>Sus scrofa</i>	33

## Parasite Index

Acanthocephala	23	<i>Balantidium</i> spp.	7
Acari	23	<i>Belascaris mystax</i>	
Acaridida	23	see <i>Toxocara cati</i>	14
Acariformes	23	<i>Bovicola bovis</i>	
Actinedida	24	see <i>Damalinia bovis</i>	27
Adeleina	5	<i>Bovicola caprae</i>	
Adenophorea	12	see <i>Damalinia caprae</i>	27
<i>Aelurostrongylus</i> spp.	17	<i>Bunostomum phlebotomum</i>	17
<i>Alaria arisaemoides</i>	9	<i>Bunostomum trionocephalum</i>	17
<i>Alaria canis</i>	9	<i>Bunostomum</i> spp.	17
<i>Alaria</i> spp.	9	<i>Calicophoron microbothrioides</i>	9
<i>Alfortia edentatus</i>		<i>Calliphora</i> spp.	26
see <i>Strongylus edentatus</i>	28	Calliphoridae	26
<i>Alfortia</i> spp.		<i>Capillaria aerophila</i>	12
see <i>Strongylus</i> spp.	20	<i>Capillaria hepatica</i>	12
Amoebida	8	<i>Capillaria longipes</i>	13
Ancylostomatidae	17	<i>Capillaria</i> spp.	13
Ancylostomatoidea	17	Ceratophyllidae	27
<i>Ancylostomum caninum</i>	17	Cestoidea	10
<i>Ancylostomum</i> spp.	17	<i>Chabertia ovina</i>	18
Angiostrongylidae	17	<i>Chabertia</i> spp.	18
Animalia	5	Chabertiidae	18
<i>Anoplocephala magna</i>	10	Chelicerata	23
<i>Anoplocephala mamillana</i>		Cheyletidae	24
see <i>Paranoplocephala mamillana</i>	10	Cheyletiella spp.	24
<i>Anoplocephala perfoliata</i>	10	<i>Chorioptes bovis</i>	23
<i>Anoplocephala</i> spp.	10	Ciliophora	7
Anoplocephalidae	10	<i>Citellinema bifurcatum</i>	21
Apicomplexa	5	<i>Cooperia curticei</i>	21
Arachnida	23	<i>Cooperia mcmasteri</i>	22
Archiacanthocephala	23	<i>Cooperia oncophora</i>	22
Argasidae	24	<i>Cooperia punctata</i>	22
Ascaridida	13	<i>Cooperia</i> spp.	22
Ascarididae	13	<i>Corynosoma semerme</i>	23
Ascaridoidea	13	Cosmoceroidea	14
<i>Ascaris lumbricoides</i>	13	<i>Crenosoma vulpis</i>	17
<i>Ascaris suum</i>	13	Crenosomatidae	17
<i>Ascaris</i> spp.	13	<i>Cryptocotyle lingua</i>	9
<i>Ascarops</i> spp.	16	<i>Cryptosporidium</i> spp.	5
Atractidae	14	<i>Ctenocephalides canis</i>	27

<i>Ctenocephalides felis</i>	27	Demodicidae	24
<i>Ctenocephalides felis felis</i>	27	<i>Dermacentor albipictus</i>	25
<i>Ctenocephalides</i> spp.	28	<i>Dermacentor andersoni</i>	25
<i>Cuterebra</i> spp.	26	<i>Dermacentor erraticus</i> var. <i>albipictus</i>	25
Cuterebridae	26	see <i>Dermacentor albipictus</i>	
<i>Cyathostoma</i> spp.	20	<i>Dermacentor variabilis</i>	25
<i>Cyathostomum catinatum</i>	19	<i>Dermacentor venustus</i>	
<i>Cyathostomum coronatum</i>	19	see <i>Dermacentor andersoni</i>	25
<i>Cyathostomum labiatum</i>	19	<i>Dermacentor</i> spp.	25
<i>Cyathostomum labratum</i>	19	Dermanyssidae	24
Cyclophyllidea	10	Dicrocoeliidae	9
<i>Cylicocyclus elongatus</i>	19	<i>Dicrocoelium dendriticum</i>	9
<i>Cylicocyclus insigne</i>	19	<i>Dicrocoelium lanceolatum</i>	
<i>Cylicocyclus nassatus</i>	19	see <i>Dicrocoelium dendriticum</i>	9
<i>Cylicocyclus radiatus</i>	19	Dictyocaulidae	21
<i>Cylicodontophorus bicornatus</i>	19	<i>Dictyocaulus arnfieldi</i>	21
<i>Cylicostephanus calicatus</i>	19	<i>Dictyocaulus filaria</i>	21
<i>Cylicostephanus goldi</i>	19	<i>Dictyocaulus viviparus</i>	21
<i>Cylicostephanus poculatus</i>	19	<i>Dictyocaulus</i> spp.	21
<i>Cylicostomum bicornatum</i>		Digenea	9
see <i>Cylicodontophorus bicornatus</i>	19	Dilepididae	11
<i>Cylicostomum calicatum</i>		<i>Diectophyma renale</i>	12
see <i>Cylicostephanus calicatus</i>	19	Diectophymatidae	12
<i>Cylicostomum catinatum</i>		Diectophymatoidea	12
see <i>Cyathostomum catinatum</i>	19	<i>Dipetalonema</i> spp.	15
<i>Cylicostomum coronatum</i>		Diphyllobothriidae	12
see <i>Cyathostomum coronatum</i>	19	<i>Diphyllobothrium dendriticum</i>	12
<i>Cylicostomum elongatum</i>		<i>Diphyllobothrium latum</i>	12
see <i>Cylicocyclus elongatus</i>	19	<i>Diphyllobothrium</i> spp.	12
<i>Cylicostomum goldi</i>		Diplomonadida	7
see <i>Cylicostephanus goldi</i>	19	Diplostomidae	9
<i>Cylicostomum insigne</i>		Diptera	26
see <i>Cylicocyclus insigne</i>	19	<i>Dipylidium caninum</i>	11
<i>Cylicostomum labiatum</i>		<i>Dipylidium</i> spp.	11
see <i>Cyathostomum labiatum</i>	19	<i>Dirofilaria immitis</i>	15
<i>Cylicostomum labratum</i>		<i>Dirofilaria</i> spp.	15
see <i>Cyathostomum labratum</i>	19	Dracunculidae	15
<i>Cylicostomum nassatus</i>		Dracunculoidea	15
see <i>Cylicocyclus nassatus</i>	19	<i>Dracunculus insignis</i>	15
<i>Cylicostomum poculatum</i>			
see <i>Cylicostephanus poculatus</i>	19	<i>Echinococcus granulosis</i>	11
<i>Cylicostomum radiatum</i>		<i>Echinococcus multilocularis</i>	11
see <i>Cylicocyclus radiatus</i>	19	<i>Echinococcus</i> spp.	11
<i>Cysticercus bovis</i>		<i>Eimeria ahsata</i>	5
see <i>Taeniarhynchus saginatus</i>	12	<i>Eimeria alabamensis</i>	5
<i>Cysticercus cellulosae</i>		<i>Eimeria arloingi</i>	5
see <i>Taenia solium</i>	11	<i>Eimeria aubernensis</i>	5
<i>Cysticercus ovis</i>		<i>Eimeria bovis</i>	5
see <i>Taenia ovis</i>	11	<i>Eimeria bukidnonensis</i>	5
<i>Cysticercus tenuicollis</i>		<i>Eimeria canadensis</i>	5
see <i>Taenia hydatigena</i>	11	<i>Eimeria canis</i>	5
		<i>Eimeria crandallii</i>	5
<i>Damalinia bovis</i>	27	<i>Eimeria cylindrica</i>	5
<i>Damalinia caprae</i>	27	<i>Eimeria deblieki</i>	5
<i>Damalinia equi</i>	27	<i>Eimeria ellipsoidalis</i>	5
<i>Damalinia limbata</i>	27	<i>Eimeria faurei</i>	5
<i>Damalinia</i> spp.	27	<i>Eimeria granulosa</i>	6
<i>Delafondia vulgaris</i>		<i>Eimeria illinoisensis</i>	6
see <i>Strongylus vulgaris</i>	20	<i>Eimeria intricata</i>	6
<i>Demodex bovis</i>	24	<i>Eimeria leuckarti</i>	6
<i>Demodex phylloides</i>	24	<i>Eimeria ninakohlyakimovae</i>	6
<i>Demodex</i> spp.	24	<i>Eimeria ovina</i>	6



<i>Eimeria pallida</i>	6	<i>Hypoderma</i> spp.	26
<i>Eimeria parva</i>	6	<i>Hystrichopsyllidae</i>	27
<i>Eimeria punctata</i>	6	Insecta	26
<i>Eimeria wyomingensis</i>	6	Ischnocera	27
<i>Eimeria zuernii</i>	6	<i>Isospora bigemina</i>	6
<i>Eimeria</i> spp.	6	<i>Isospora canis</i>	6
Eimeriina	5	<i>Isospora felis</i>	6
<i>Endolimax nana</i>	8	<i>Isospora ohioensis</i>	6
Enoplida	12	<i>Isospora rivolta</i>	6
<i>Entamoeba blattae</i>	8	<i>Isospora suis</i>	6
<i>Entamoeba coli</i>	8	<i>Isospora wallacei</i>	6
<i>Entamoeba histolytica</i>	8	<i>Isospora</i> spp.	7
Eucestoda	10	<i>Ixodes cookei</i>	25
Eucoccidiida	5	<i>Ixodes hexagonus</i> var. <i>cookei</i>	see <i>Ixodes cookei</i> 25
Eumetazoa	9	<i>Ixodes ricinus</i>	25
		<i>Ixodes ricinus scapularis</i>	25
<i>Fasciola hepatica</i>	9	<i>Ixodes</i> spp.	25
Fasciolidae	9	Ixodida	24
<i>Fascioloides magna</i>	9	Ixodidae	25
<i>Felicola subrostratus</i>	27		
Filarioidea	15	Kinetofragminophorea	7
<i>Filaroides milksi</i>	17	Kinetoplastida	7
<i>Filaroides</i> spp.	17	<i>Klossiella equi</i>	5
Filariidae	15		
Filaroididae	17	Linognathidae	28
		<i>Linognathus pedalis</i>	28
Gamasida	24	<i>Linognathus piliferus</i>	see <i>Linognathus setosus</i> 28
Gasterophilidae	26	<i>Linognathus setosus</i>	28
<i>Gasterophilus intestinalis</i>	26	<i>Linognathus stenopsis</i>	28
<i>Gasterophilus nasalis</i>	26	<i>Linognathus vituli</i>	28
<i>Gasterophilus</i> spp.	26	<i>Linognathus</i> spp.	28
<i>Giardia canis</i>	7	Lobosea	8
<i>Giardia</i> spp.	7	<i>Lucilia illustris</i>	26
<i>Gongylonema pulchrum</i>	16	<i>Lucilia sericata</i>	26
Gongylonematidae	16		
<i>Gyalocephalus capitatus</i>	19	<i>Macracanthorhynchus hirudinaceus</i>	23
<i>Gyalocephalus</i> spp.	19	Mallophaga	27
		Mastigophora	7
<i>Habronema majus</i>	16	<i>Melophagus ovinus</i>	26
<i>Habronema microstoma</i>	see <i>Habronema majus</i> 16	<i>Mesocestoides</i> spp.	11
<i>Habronema muscae</i>	16	Mesocestoididae	11
<i>Habronema</i> spp.	16	Metastrongylidae	18
Habronematidae	16	Metastrongyloidea	17
Habronematoidea	16	<i>Metastrongylus apri</i>	18
<i>Haemaphysalis cinnabarina</i>	25	<i>Metastrongylus elongatus</i>	see <i>Metastrongylus salmi</i> 18
<i>Haemaphysalis leporis-palustris</i>	25	<i>Metastrongylus pudendotectus</i>	18
Haematopinidae	28	<i>Metastrongylus salmi</i>	18
<i>Haematopinus asini</i>	28	<i>Metastrongylus</i> spp.	18
<i>Haematopinus eurysternus</i>	28	<i>Metorchis conjunctus</i>	9
<i>Haematopinus suis</i>	28	<i>Metorchis</i> spp.	9
<i>Haematopinus</i> spp.	28	Molineidae	21
<i>Haemonchus contortus</i>	22	<i>Moniezia benedeni</i>	10
<i>Haemonchus</i> spp.	22	<i>Moniezia expansa</i>	10
Heligmosomidae	21	<i>Moniezia</i> spp.	10
Heterophyidae	9	<i>Monodontus phlebotomus</i>	see <i>Bunostomum phlebotomum</i> 17
Hexamitidae	7	<i>Monodontus trigonocephalus</i>	see <i>Bunostomum trigonocephalum</i> 17
Hippobosidae	26		
<i>Hyostromylus rubidus</i>	22		
<i>Hyostromylus</i> spp.	22		
<i>Hypoderma bovis</i>	26		
<i>Hypoderma lineatum</i>	26		

<i>Monodontus</i> spp.		<i>Paramphistomum liorchis</i>	10
see <i>Bunostomum</i> spp.	17	<i>Paramphistomum microbothrioides</i>	
<i>Monopsyllus vison</i>	27	see <i>Calicophoron microbothrioides</i>	9
<i>Muellerius capillaris</i>	18	<i>Paramphistomum</i> spp.	10
<i>Muellerius</i> spp.	18	<i>Paranoplocephala mamillana</i>	10
<i>Multiceps</i> spp.	11	<i>Parascaris equorum</i>	13
Nanophyetidae	9	<i>Parascaris</i> spp.	14
<i>Nanophyetus salmincola</i>	9	Parasitiformes	24
Nematoda	12	<i>Parelaphostrongylus tenuis</i>	18
<i>Nematodirus abnormalis</i>	21	<i>Pelodera strongyloides</i>	14
<i>Nematodirus battus</i>	21	<i>Petrovinema poculatum</i>	
<i>Nematodirus filicollis</i>	21	see <i>Cylicostephanus poculatus</i>	19
<i>Nematodirus helvetianus</i>	21	<i>Phaenicia sericata</i>	
<i>Nematodirus spathiger</i>	21	see <i>Lucilia sericata</i>	26
<i>Nematodirus</i> spp.	21	<i>Phormia regina</i>	26
<i>Notoedres</i> spp.	24	<i>Phormia terranovae</i>	26
<i>Oesophagodontus robustus</i>	20	<i>Physaloptera rara</i>	16
<i>Oesophagodontus</i> spp.	20	Physalopteridae	16
<i>Oesophagostomum columbianum</i>	18	Physalopteroidea	16
<i>Oesophagostomum dentatum</i>	18	<i>Physocephalus</i> spp.	16
<i>Oesophagostomum quadrispinulatum</i>	18	Plagiorchiidae	10
<i>Oesophagostomum radiatum</i>	18	<i>Plagiorchis massino</i>	10
<i>Oesophagostomum venulosum</i>	18	Platyhelminthes	9
<i>Oesophagostomum</i> spp.	18	<i>Pneumonyssus</i> spp.	24
Oestridae	26	<i>Pneumostrongylus tenuis</i>	
<i>Oestrus ovis</i>	27	see <i>Parelaphostrongylus tenuis</i>	18
Oligacanthorhynchida	23	Polymorphida	23
Oligacanthorhynchidae	23	Polymorphidae	23
<i>Ollulanus tricuspis</i>	21	<i>Poteriostomum</i> spp.	20
<i>Onchocerca cervicalis</i>	15	<i>Probstmayria vivipara</i>	14
<i>Onchocerca gutturosa</i>	16	<i>Protophormia terranovae</i>	
<i>Onchocerca lienalis</i>	16	see <i>Phormia terranovae</i>	26
<i>Onchocerca</i> spp.	16	Protostrongylidae	18
Onchocercidae	15	<i>Protostrongylus</i> spp.	18
Opisthorchiidae	9	Protozoa	5
<i>Oslerus osleri</i>	17	Pseudophyllidea	12
<i>Ostertagia circumcincta</i>	22	<i>Psorergates bos</i>	24
<i>Ostertagia lyrata</i>	22	Psorergatidae	24
<i>Ostertagia ostertagi</i>	22	<i>Psoroptes</i> spp.	24
<i>Ostertagia trifurcata</i>	22	Psoroptidae	23
<i>Ostertagia</i> spp.	23	Pulicidae	27
<i>Otobius lagophilus</i>	24	Rhabditida	14
<i>Otobius megnini</i>	25	Rhabditidae	14
<i>Otobius</i> spp.	25	<i>Rhabditis strongyloides</i>	
<i>Otodectes cynotis</i>	24	see <i>Pelodera strongyloides</i>	14
<i>Otodectes cynotis canis</i>	24	Rhabditoidea	14
<i>Otodectes cynotis felis</i>	24	<i>Rhipicephalus sanguineus</i>	25
Oxyurida	14	<i>Rhipicephalus</i> spp.	25
Oxyuridae	14	<i>Sarcocystis cruzi</i>	7
<i>Oxyuris equi</i>	14	<i>Sarcocystis hirsuta</i>	7
<i>Oxyuris</i> spp.	14	<i>Sarcocystis</i> spp.	7
Oxyuroidea	14	Sarcodina	8
Palaeacanthocephala	23	Sarcomastigophora	7
<i>Parafilaria bovicola</i>	15	<i>Sarcoptes scabiei</i>	24
<i>Paragonimus kellicotti</i>	10	Sarcoptidae	24
<i>Paragonimus</i> spp.	10	Secernentea	13
<i>Parametorchis complexus</i>	9	<i>Setaria equina</i>	16
<i>Parametorchis manitobensis</i>		<i>Setaria labiatopapillosa</i>	16
see <i>Parametorchis complexus</i>	9	<i>Setaria</i> spp.	16
Paramphistomidae	9	Siphonaptera	27

Siphunculata	28	<i>Toxoplasma</i> spp.	7
<i>Skrjabinema</i> spp.	14	Trematoda	9
<i>Solenopotes capillatus</i>	28	<i>Trichinella spiralis</i>	12
<i>Spirocerca</i> spp.	16	<i>Trichinella spiralis spiralis</i>	12
Spirocercidae	16	<i>Trichinella</i> spp.	12
Spirurida	15	Trichinellidae	12
Spiruroidea	16	Trichinelloidea	12
Sporozoea	5	<i>Trichodectes canis</i>	27
<i>Stephanofilaria stilesi</i>	15	<i>Trichodectes equi</i>	27
<i>Stephanurus dentatus</i>	20	<i>Trichodectes</i> spp.	27
Strongylida	17	Trichomonadida	8
Strongylidae	19	<i>Trichomonas</i> spp.	8
Strongyloidea	18	<i>Trichonema catinatum</i>	
<i>Strongyloides papillosus</i>	15	see <i>Cyathostomum catinatum</i>	19
<i>Strongyloides ransomi</i>	15	Trichostomatida	7
<i>Strongyloides stercoralis</i>	15	Trichostrongylidae	21
<i>Strongyloides</i> spp.	15	Trichostrongyloidea	21
Strongyloididae	15	<i>Trichostrongylus axei</i>	23
<i>Strongylus edentatus</i>	20	<i>Trichostrongylus colubriformis</i>	23
<i>Strongylus equinus</i>	20	<i>Trichostrongylus extenuatus</i>	
<i>Strongylus vulgaris</i>	20	see <i>Trichostrongylus axei</i>	23
<i>Strongylus</i> spp.	20	<i>Trichostrongylus vitrinus</i>	23
Syngamidae	20	<i>Trichostrongylus</i> spp.	23
		Trichuridae	12
<i>Taenia crassiceps</i>	11	<i>Trichuris discolor</i>	13
<i>Taenia elliptica</i>	11	<i>Trichuris ovis</i>	13
<i>Taenia hydatigena</i>	11	<i>Trichuris suis</i>	13
<i>Taenia ovis</i>	11	<i>Trichuris vulpis</i>	13
<i>Taenia pisiformis</i>	11	<i>Trichuris</i> spp.	13
<i>Taenia serialis</i>	11	<i>Triodontophorus brevicauda</i>	20
<i>Taenia solium</i>	11	<i>Triodontophorus intermedius</i>	
<i>Taenia taeniaeformis</i>	11	see <i>Triodontophorus serratus</i>	20
<i>Taenia</i> spp.	12	<i>Triodontophorus minor</i>	20
<i>Taeniarrhyncus saginatus</i>	12	<i>Triodontophorus serratus</i>	20
Taeniidae	11	<i>Triodontophorus tenuicollis</i>	20
<i>Tamiophila grandis</i>	27	<i>Triodontophorus</i> spp.	20
<i>Teladorsagia davtiani</i>	23	Troglorematidae	10
<i>Thelazia gulosa</i>	16	Trombiculidae	24
<i>Thelazia lacrymalis</i>	16	<i>Trypanosoma equiperdum</i>	7
<i>Thelazia skrjabini</i>	16	<i>Trypanosoma rutherfordi</i>	7
<i>Thelazia</i> spp.	17	<i>Trypanosoma theileri</i>	7
Thelaziidae	16	<i>Trypanosoma uniforme</i>	8
Thelazioidea	16	<i>Trypanosoma</i> spp.	8
<i>Thysanosoma actinioides</i>	10		
<i>Thysanosoma</i> spp.	10	<i>Uncinaria stenocephala</i>	17
<i>Toxascaris leonina</i>	14	<i>Uncinaria</i> spp.	17
<i>Toxascaris limbata</i>		Uniramia	26
see <i>Toxascaris leonina</i>	14		
<i>Toxascaris</i> spp.	14		
<i>Toxocara canis</i>	14	<i>Warrenius bifurcatus</i>	
<i>Toxocara cati</i>	14	see <i>Citellinema bifurcatum</i>	21
<i>Toxocara mystax</i>		<i>Wohlfahrtia opaca</i>	26
see <i>Toxocara cati</i>	14	<i>Wohlfahrtia vigil</i>	26
<i>Toxocara</i> spp.	14		
<i>Toxoplasma gondii</i>	7	Zoomastigophorea	7





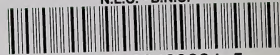








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